7/3,K/1   **(Item 1 from file: 15)**

01965496 47608730
Financial Technology Expo showcases new products
McEachern, Cristina
Wall Street & Technology v18n1 PP: 56 Jan 2000
ISSN: 1060-989X JRNL CODE: WSC
WORD COUNT: 753

...TEXT: country looking-for the West and greatest technology for the
financial services arena. While the **virtual trading floor** featuring
all nine of the SEC approved Electronic Communications Networks (ECNs)
demonstrating the future of...

... draw, other companies were introducing their latest breakthroughs and
upgrades for the industry. With Y2k `moving` to the backburner, Wall Street
& Technology takes a look at a sampling of new products...

7/3,K/2   **(Item 2 from file: 15)**

01597889 02-48878
New law may boost Bermuda
Lonkevich, Dan
National Underwriter (Property & Casualty/Risk & Benefits Management)
v102n10 PP: 9-11 Mar 9, 1998
ISSN: 1042-6841 JRNL CODE: NUN
WORD COUNT: 806

...TEXT: Other factors that set the exchange apart from its competitors are
its Internet-based or " **virtual** open- **outcry   trading   floor** ," which
maintains privacy and security for all participants, he said. Only members
are allowed to...

7/3,K/3   **(Item 3 from file: 15)**

01472406 01-23394
User-friendly CNC
Anonymous
Manufacturing Engineering v119n1 PP: 28 Jul 1997
ISSN: 0361-0853 JRNL CODE: MFE
WORD COUNT: 656

...TEXT: hand-held pendant with a multiline LCD, soft keys, handwheel, and
feed-and-speed controls; **optional** Gibbs Shop **Floor** Progamming **3 - D**
CAD/CAM software; and helical interpolation, 4-MB program storage, scaling,
 rotation , mirroring, branching, trigonometry functions, parametric
subroutines, and cycles for tool and part probing. A hard...

7/3,K/4   **(Item 4 from file: 15)**

01140853 97-90247
Virtual reality: Will it find its place?
Shoesmith, John
Computing Canada v21n26 PP: 31 Dec 20, 1995
ISSN: 0319-0161 JRNL CODE: CCD

...ABSTRACT: one that might have some eventual impact in a business

environment. Today, the Web has **moved** from a cybertoy to a practical, perhaps a necessary, business tool. According to many, there...

...data communications into a single unit, traders on Wall Street are being linked into the **virtual trading floor** of the future. Virtual reality is being used extensively in very tight niche businesses, mission...

7/3,K/5   (Item 5 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00847199 94-96591
Electronic trading, market structure and liquidity
Massimb, Marcel N; Phelps, Bruce D
Financial Analysts Journal v50n1 PP: 39-50 Jan-Feb 1994
ISSN: 0015-198X JRNL CODE: FIA
WORD COUNT: 10714

...TEXT: transaction costs are currently much higher on a CBOT-GLOBEX terminal compared with CBOT open **outcry** . The cost differential could change over time if the cost of providing an electronic trading...

... on to traders.(11) But there will also likely be a need for expensive periodic **software** updates.

Physical **trading floors** are not inexpensive, given the need to provide many pit price reporters and periodic updating...

7/3,K/6   (Item 6 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00840175 94-89567
Next step for Applix: Front end
Anonymous
Bank Systems & Technology v31n3 PP: 14-16 Mar 1994
ISSN: 1045-9472 JRNL CODE: BSE
WORD COUNT: 229

...TEXT: T System 3000 environment. The deal also means that AT&T will help distribute the **software** to **trading floor** front ends. Traders can then **move** seamlessly between Applix's Unix-based real-time spreadsheets and a variety of host database...

7/3,K/7   (Item 7 from file: 15)
DIALOG(R)File   15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

00800772 94-50164
Chase's traders get head shots
Day, Jacqueline
Bank Systems & Technology v30n12 PP: 56 Dec 1993
ISSN: 1045-9472 JRNL CODE: BSE
WORD COUNT: 716

...TEXT: a plan which hints at the vaunted information superhighway: "Our other vision is creating a **virtual trading floor** ," Puri says, "where what we mean is, any one of our people can **move** anywhere and easily have access to their own market information and their own in-house applications. It's saying that you can **move** from Desk A to Desk B and push one button and all you need to...

7/3,K/8   (Item 1 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)

08584756   Supplier Number: 57888072   (USE FORMAT 7 FOR FULLTEXT)
**ICE launches business-to-business, interactive, vertical exchange.(Brief
  Article)**
Feedstuffs, v71, n47, p16
Nov 15, 1999
Language: English   Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; Trade
Word Count: 315

...   such as corn, wheat, soybeans and feed byproducts by simulating pit
trading in an "online **outcry** " environment. The efficiencies of a futures
exchange are applied to the "cash" commodity market by providing traders
with a **virtual   trading   floor** offering clear rules, industry-wide
pricing and open market information.
         A commodity trader can utilize...

  7/3,K/9   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08300549   Supplier Number: 67373622   (USE FORMAT 7 FOR FULLTEXT)
Views from the edge.
Computer Business Review, v7, n10, pS35
Oct, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1602

...   popularity away from the desktop. In March, the New York Stock
Exchange switched on a ` **3D   trading   floor** ' based on Silicon Graphics
(SGI) technology. The system monitors network performance, order flow,
price **movement** and other variables in real time, looking for unusual
trends and anomalies and presents them...

  7/3,K/10   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

07197397   Supplier Number: 61182233   (USE FORMAT 7 FOR FULLTEXT)
ONE-WIRE WONDERS.(Technology Information)
Michael, Bill
Computer Telephony, v8, n3, p88
March, 2000
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 9293

...   ring. You also get auto attendant, voicemail, IVR, and unified
messaging (through integration with Exchange).
      An optional **piece** of software, **Multi** -Conference 2.1 ($3,995 per
server), expands the standard conferencing capability from three to 12
parties on multiple simultaneous conferences. Moves, **adds** , and changes
are managed through a Windows GUI. Optional TAPI 2.1-compliant Sphere
Client...

  7/3,K/11   (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06844611   Supplier Number: 57898184   (USE FORMAT 7 FOR FULLTEXT)
**Data Base Software Firm Sybase to Buy Home Fin'l Network.(Sybase Inc./Home
  Financial Network Inc.)(Statistical Data Included)**

Power, Carol
American Banker, v164, n230, p1
Dec 2, 1999
Language: English   Record Type: Fulltext
Article Type: Statistical Data Included
Document Type: Magazine/Journal; Trade
Word Count: 620

...   a new financial services Internet company. The subsidiary would be
a vehicle for Sybase to **move** beyond its currently limited role in
financial services, where it has had the most success as a provider of data
base **software** , mainly to **trading   floors** .
       Sybase's intent is to "create an Internet global financial services
company," said Michon M...

 7/3,K/12   (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

06773643   Supplier Number: 57066154   (USE FORMAT 7 FOR FULLTEXT)
ICE Corp. Launches First Interactive Commodities Trading Site.
PR Newswire, p3920
Nov 1, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 825

...   such as corn, wheat, soybeans and feed by-products, simulating pit
trading in an "online **outcry** " environment. Icecorp.com applies the
efficiencies of a futures exchange to the "cash" commodity market by
providing traders with a **virtual   trading   floor** offering clear rules,
industry-wide pricing and open market information.
       "ICE will redefine the way...

 7/3,K/13   (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

05926945   Supplier Number: 53165838   (USE FORMAT 7 FOR FULLTEXT)
Sybase Creates Financial Tech Lab.(Company Operations)
Rosen, Michele
ENT, p10(1)
Nov 4, 1998
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Professional
Word Count: 590

...   financial industry, according to Sybase representatives. The
securities industry, in particular, is going through a **wave** of database
consolidation that calls for ever more powerful systems, according to
Michon Schenck, vice...

...indicated that Sybase has also seen tremendous growth of NT penetration
among financial services companies. " **Virtually** every **trading   floor**
will have NT on the desktop," she added.
       If this center is successful, Sybase plans...

 7/3,K/14   (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

04005092   Supplier Number: 45817494   (USE FORMAT 7 FOR FULLTEXT)
Amex To Adopt Wireless Terminals For Trading 09/27/95
Newsbytes, pN/A
Sept 27, 1995

Language: English   Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 337

...   tickets currently used to record trading information. Sedaret said
they could also replace the hand **signals** and shouting that traders have
traditionally used to exchange information among themselves on the **trading
floor** .
    Cone **Software** Inc. of Boothwyn, Pennsylvania, is developing a
gateway software system to manage information transmitted over...

7/3,K/15   (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03125987   Supplier Number: 44263559 (USE FORMAT 7 FOR FULLTEXT)
CHASE'S TRADERS GET HEAD SHOTS
Bank Systems + Technology, p56
Dec, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 728

...   a plan which hints at the vaunted information superhighway: 'Our
other vision is creating a **virtual   trading   floor** ,' Puri says, 'where
what we mean is, any one of our people can **move** anywhere and easily have
access to their own market information and their own in-house applications.
It's saying that you can **move** from Desk A to Desk B and push one button
and all you need to...

7/3,K/16   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09187116   SUPPLIER NUMBER: 18996289   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Introduction to options. (financial instruments)(Mastering Management)
Nyborg, Kjell
Financial Post, pS6(3)
Nov 16, 1996
ISSN: 0015-2021   LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 4311   LINE COUNT: 00326

...   Figures 1 and 4. Observe that the portfolio is completely exposed
to the risk of **movements** in XYZ's stock price - every penny gained or
lost in XYZ's stock price...

...Moreover, this is the only risk you face. (This ignores counterparty
risk on the call. **Exchange** traded **options** have **virtually** no
counterparty risk since all contracts are written with the exchange as the
counterparty.) As...

7/3,K/17   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01840613   SUPPLIER NUMBER: 17488885   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Amex To Adopt Wireless Terminals For Trading.
Newsbytes, pNEW09270019
Sep 27, 1995
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 334   LINE COUNT: 00032

...   The New York Stock Exchange has also said it does not plan to
replace its **trading   floor** with an electronic system. Some other
exchanges, such as the Toronto Stock Exchange, are **moving** toward

completely electronic trading.
       The wireless terminals will accept input using an electronic pen, and
...

...tickets currently used to record trading information. Sedaret said they
could also replace the hand **signals** and shouting that traders have
traditionally used to exchange information among themselves on the **trading
  floor** .
       Cone **Software** Inc. of Boothwyn, Pennsylvania, is developing a
gateway software system to manage information transmitted over...

   7/3,K/18   (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

01261155   SUPPLIER NUMBER: 06270501   (USE FORMAT 7 OR 9 FOR FULL TEXT)
The new wave in trading room technology.
Sahgal, Pavan; Schmerken, Ivy
Wall Street Computer Review, v5, n4, p29(12)
Jan, 1988
ISSN: 0738-4343   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7771   LINE COUNT: 00627

...   testing. In December 1987, Perold planned to install 20 additional
positions for money market traders, **moving** to a new **trading   floor** .
Teknekron wrote **software** to read each vendor's digital feed. Each trader
has a Sun/3 workstation with...

   7/3,K/19   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

02647049 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Data Base Software Firm Sybase to Buy Home Fin'l Network
(Home Financial Network (Westport, CT), a developer of Internet banking
  software, to be acquired by Sybase Inc (Emeryville, CA) for $130 mil in
  cash and stock; Sybase wants presence in retail Internet banking)
American Banker, v 164, n 230, p 1
December 02, 1999
DOCUMENT TYPE: Newspaper ISSN: 0002-7561 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 608

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...a new financial services Internet company. The subsidiary would be a
vehicle for Sybase to **move** beyond its currently limited role in financial
services, where it has had the most success as a provider of data base
software , mainly to **trading   floors** .

Sybase's intent is to "create an Internet global financial services
company," said Michon M...

   7/3,K/20   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

08281978 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Eye On North Asia: Showfloor: Exhibitors Target Corporate Buyers
Frances Chan
ASIA COMPUTER WEEKLY
November 22, 1999
JOURNAL CODE: FACW   LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 606

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...   ACE, said the new trading floor allows ISPs and the bandwidth
traders to monitor market **movements** in real-time and respond quicker to
market opportunities as they arise.
       Ng noted: "With...

7/3,K/21   (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

05301974 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Electricity Trading Over the Internet Begins in Six New England States
BUSINESS WIRE
May 13, 1999
JOURNAL CODE: WBWE   LANGUAGE: English ·RECORD TYPE: FULLTEXT
WORD COUNT: 1104

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   region. This milestone is a significant step for New England's
electricity industry as it **moves** to expand the competitive forces in the
region's wholesale electricity marketplace.
       ISO New England...

7/3,K/22   (Item 1 from file: 476)
DIALOG(R)File 476:Financial Times Fulltext
(c) 2002 Financial Times Ltd. All rts. reserv.

0008048378 BOFLAFYAHEFT
**Mastering Management - Part 6 (5): Introduction to options - Finance /
  Options are superficially complex but fundamentally simple financial
  instruments that offer companies substantial advantages**
KJELL NYBORG
Financial Times, P V
Friday, December 1, 1995
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
Word Count: 4,191

...Figures 1 and 4. Observe that the portfolio is completely exposed to the
risk of **movements** in XYZ's stock price - every penny gained or lost in
XYZ's stock price...

...Moreover, this is the only risk you face. (This ignores counterparty
risk on the call. **Exchange** traded **options** have **virtually** no
counterparty risk since all contracts· are written with the exchange as the
counterparty.) As...

7/3,K/23   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

04174080   Supplier Number: 54653878 (USE FORMAT 7 FOR FULLTEXT)
**ANDERSON CONSULTING: Electricity trading over the Internet begins in six
  New England states.**
M2 Presswire, pNA
May 14, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 901

...   the six New England states started May 1 as ISO New England began
operating a **virtual   trading   floor** via the Internet for New England's
wholesale electricity market. Up to 130 electricity generators...

...region. This milestone is a significant step for New England's
electricity industry as it **moves** to expand the competitive forces in the
region's wholesale electricity marketplace.
     ISO New England...

  7/3,K/24   (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03591896   Supplier Number: 47434982   (USE FORMAT 7 FOR FULLTEXT)
**BIDNASK.COM BIDS FOR THE FUTURE OF EC Real-Time Internet Trading Floor
  Mimics Stock Exchange**
Electronic Commerce News, v2, n22, pN/A
June 2, 1997
Language: English   Record Type: Fulltext
Document Type: Newsletter; General   .   .
Word Count: 1403

...   real-time World Wide Web site where any number of people can gather
on a **virtual   trading   floor** to **move** or purchase goods at the best
possible price they can find.
     Jim Lennane, a longtime...

  7/3,K/25   (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1131441   NYM109
New Bermuda Commodities   Exchange **Will Offer** ' Virtual **Open** Outcry '
    Trading in Insurance Risk Options

DATE: July 28, 1997   11:42 EDT   WORD COUNT: 820

New Bermuda Commodities   Exchange **Will Offer** ' Virtual **Open** Outcry '
    Trading in Insurance Risk Options

1131441   NYM109

**New Bermuda Commodities Exchange Will Offer ' Virtual Open Outcry '
Trading in Insurance Risk Options**

DATE: July 28, 1997   11:42 EDT   WORD COUNT: 820

HAMILTON, Bermuda , July 28 /PRNewswire/ -- The Bermuda Commodities
Exchange, the new marketplace for hedging and investing in catastrophic
insurance risk, disclosed details today of how it will structure and trade
options. The Exchange expects to begin operations in September.

The Bermuda Commodities Exchange was authorized by act of the Bermuda
Parliament in 1996 and is under the supervision of the Bermuda Monetary
Authority. The Exchange will offer members the opportunity to conduct
"virtual open outcry" trading in options contracts based on an index of
insured homeowner losses due to atmospheric perils in particular regions of
the United States over specified periods. Trading will be in U.S. dollars.

Thomas C. Heise, the President of the Bermuda Commodities Exchange,
said, "We're very pleased with the progress of the Bermuda Commodities
Exchange and are excited at the prospect of commencing trading. Insurers
and reinsurers will find our catastrophic risk options instruments a unique
way to hedge their risk, and investors will have an attractive new way to
put their money to work."

Initially, the Exchange will offer options covering six-month periods
-- January through June, July through December -- for the following
regions: Florida, Northeast, Southeast, Gulf Area, Midwest and National.
Contracts will cover damage from a single event or aggregate damage over
the covered period.

The option buyer (holder) will pay a premium to a seller (the writer),
and the latter will be liable for payment of a specified amount if losses
in the particular region and time period from hurricanes, tornadoes,
windstorms, hail and/or freezing temperatures exceed a specified
loss-to-value ratio. Prices of particular options contracts may fluctuate
as trading takes place during the risk period.

Trading will be done via an automated, electronic system that connects
all the members in a "virtual open outcry" arrangement. The open outcry
style of trading commodities has been successful in dealing with volatility
in other commodities. The prices and quantities of all bids and offers will
be displayed without disclosing the identity of any particular trading
member or customer.

The options will be based on a loss-to-value index compiled and
regularly updated by IndexCo, an affiliate of Guy Carpenter & Company, Inc.
The Guy Carpenter Catastrophe Index (GCCI) is designed to measure the
amount of insured damage to homes in the United States from atmospheric
perils. The GCCI combines the loss experience of specifically chosen
insurance companies within each geographic area covered by the GCCI to
estimate industry loss-to- value ratios.

In seeking to provide an accurate measure of actual losses, the GCCI
calculates losses against property values down to the individual zip code
level -- with an average of 12 insurance companies reporting their results
per zip code area.

For every geographic area covered by the GCCI, two types of indices are
produced: the Event GCCI measures the damage from a given catastrophe, and<

the Aggregate GCCI measures the total atmospheric damage during a given

period of time.

The Exchange will be owned and governed by its members. The initial membership of the Exchange is expected to include affiliates of American International Group, Inc., Chase Manhattan Bank, and Guy Carpenter & Company, Inc. For the first three years, these members will elect the seven-member Board of Directors. Subsequently, when all voting members elect the board, the initial members will have the right to elect one director.

The Exchange will have up to 100 members, consisting primarily of insurance companies, reinsurers, commercial and investment banks, and other financial institutions. Only members will have direct access to trade on the Exchange, and they will be able to trade the options for their proprietary accounts and for customers.

All members of the Exchange will also be members of the Bermuda Commodities Exchange Clearing House, which will clear and settle all transactions. All contracts will be fully collateralized, which eliminates direct counterparty credit risk.

AIG will be the majority owner of the Clearing House. Chase and Guy Carpenter will have equity stakes, as will a private partnership that includes Mr. Heise.

Options contracts will be in units of $5,000. Traders will be able to enter orders via their computer, onsite at an Exchange terminal, or via phone or fax. Bids and offers will be matched for the various series of options. Option writers will be required to deposit the necessary margin and option holders will be required to deposit the necessary premiums before the Clearing House will clear a transaction. Set fees will be charged to handle the transactions.

By using its unique new system to allow for hedging and investing in catastrophic risk, the Bermuda Commodities Exchange will provide a new source of capital to protect against infrequent but potentially devastating losses to insurers. At the same time, it is creating a potentially profitable new asset class for investors.

SOURCE Bermuda Commodities Exchange

CONTACT: Robert McGrath or Larry Simonberg of The Weiser Group, 212-684-4440, for the Bermuda Commodities Exchange

```
Set      Items      Description
S2      9987613    SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIMIC? OR -
                   RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S3      8561358    HAND? ? OR BODY OR FINGER? OR HEAD? ? OR ARM? ?
S4      9783275    MOVE? OR MOVING? OR MOTION? OR ROTAT? OR WAVE? ? OR WAVING?
                   OR SIGNAL? OR GESTUR? OR OUTCRY? OR OUT()CRY???
S5       91237     S3(2N)S4
S6        2845     S5(10N)S2
S7         377     S6(10N)(VIRTUAL? OR AVATAR? OR VR OR COMPUTER? OR ON()LINE
                   OR ONLINE OR INTERNET OR WEB? OR SOFTWARE OR 3()D OR GRAPHICA-
                   L?)
S8         318     S7 NOT PY>2000
S9         273     S8 NOT PD=20000331:20050514
S10        206     RD (unique items)
S11         15     S10(S)(AUCTION? OR TRAD???? OR STOCK? ? OR DUTCHAUCTION? OR
                   EXCHANGE? OR MARKET? ? OR BROKER? OR NASDAQ OR DOW OR NYSE OR
                   BIG()BOARD OR LSE OR CBOT OR CME OR EUREX OR SALE? ? OR BIDD-
                   ??? OR NIKKEI? OR TSE OR OPTION? OR COMMODIT?)
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          (c) 2002 Resp. DB Svcs.
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          (c) 2002 McGraw-Hill Co. Inc
File  634:San Jose Mercury  Jun 1985-2002/May 12
          (c) 2002 San Jose Mercury News
File  636:Gale Group Newsletter DB(TM) 1987-2002/May 13
          (c) 2002 The Gale Group
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          (c) 1999 Business Wire
File  813:PR Newswire 1987-1999/Apr 30
          (c) 1999 PR Newswire Association Inc
File   95:TEME-Technology & Management 1989-2002/APR W2
          (c) 2002 FIZ TECHNIK
```

11/3,K/1   (Item 1 from file: 15)

01864295 05-15287
Imagineering the future of the Internet: Sketches from the year 2010
Wright, Christopher M
American Society for Information Science. Bulletin v25n4 PP: 26-29
Apr/May 1999
ISSN: 0095-4403 JRNL CODE: BAS
WORD COUNT: 3063

...TEXT: Looking ahead to the new addressing and selectable QoS
functionalities of IPv6, MCM sees a **market** for Web-connected 'data suits'
or 'smart clothing' that will help rehabilitate stroke victims and...

... to network computers, resulting in spectacular 3D visualizations based
on minute calibrations of muscle and **finger** **movements** . A dozen sensors
might be enough to create stick figure **representations** on one local
 computer , but it will take IPv6 addressing and the distributed computing
power of the Net to...

11/3,K/2   (Item 2 from file: 15)

00973602 96-22995
Will cost cutting hurt European quality?
Anonymous
Ward's Auto World v30n11 PP: 23-24 Nov 1994
ISSN: 0043-0315 JRNL CODE: WAW
WORD COUNT: 625

...TEXT: Ion will be sold in the 1998-'99 timeframe.

* Automobiles Citroen SA says it will **market** the world's first production
car with active roll control early next year. The system...

... body roll during cornering. Citroen has patented Activa, which was
developed from its Hydractive II **computer** -controlled suspension already
found on some production **models** . The system detects any **body** **movement**
in corners and instantly stiffens the suspension to minimize roll. It is
reported to remain...

11/3,K/3   (Item 3 from file: 15)

00762314 94-11706
Virtual reality derivatives for fun - And maybe profit
Knox, Lewis
Institutional Investor v27n9 PP: 23 Sep 1993
ISSN: 0020-3580 JRNL CODE: IL
WORD COUNT: 480

...TEXT: hand. The computer then quickly updates its financial model to
adjust to the new graph.

 Virtual reality gadgets probably aren't about to sweep Wall Street. Most
 traders don't need such a visualization aid, which can be a bit
disorienting, particularly if...

... innovate--a few years ago. The real test, of course, is whether virtual
reality derivatives **trading** will produce real profits.

11/3,K/4   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06198483   Supplier Number: 54128629 (USE FORMAT 7 FOR FULLTEXT)
WHIRLPOOL AGITATES LAUNDRY BUSINESS.(Brief Article)
Beatty, Gerry
HFN The Weekly Newspaper for the Home Furnishing Network, p40(1)
March 8, 1999
Language: English   Record Type: Fulltext
Article Type: Brief Article
Document Type: Magazine/Journal; General
Word Count: 470

...   GSL9365E at the top of the line provides 12 automatic cycles,
including an extra-rinse **option** and a Pulse Action for delicates which
mimics **hand** -washing **motions** ; six speed combinations; six water
temperatures monitored by the AccuWash **computer** chip; the Quiet Wash Plus
insulation package; a self-cleaning lint filter; Quick Select timer...

11/3,K/5   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05170488   Supplier Number: 47891090 (USE FORMAT 7 FOR FULLTEXT)
WHAT DOES A WELL-DRESSED PERSON WEAR IN CYBERSPACE? A CYBERSUIT, OF COURSE
Computergram International, pN/A
August 5, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 261

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Inc will announce its CyberSuit wireless full-body motion capture suit
at the Siggraph 97 **trade** show next week. Based on the technology in the
company's CyberGlove, CyberSuit uses Virtual...

...During use the CyberSuit is untethered and does not need any external
reference sensors. A **moving** **graphical** **body** **model** may be displayed
in real-time, which allows for "on-the-fly" generation of
computerisedimagery...

11/3,K/6   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04963710   Supplier Number: 47293521 (USE FORMAT 7 FOR FULLTEXT)
Click and stumble: Beware a cyber-tumble!
Cleaver, Joanne
Crain's Chicago Business, p17
April 14, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 380

...   an eyeball icon: I had rotated my head, not my whole virtual self.
     As my **computer** and Andersen's **exchanged** data through the
notoriously erratic Internet system, it was hard to keep my mouse movement
...

11/3,K/7   (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02707746   Supplier Number: 43617574   (USE FORMAT 7 FOR FULLTEXT)
MEASURING MACHINE IS NEW FROM THE BASE UP
Precision Toolmaker, p26
Feb, 1993
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 631

...   and 3500mm in Z make the TM4 the largest of the standard versions.
     Among the **options** is the degree of automation. This extends from
manual machines with electronic digital readout to fully automatic machines
under **computer** control.
     In configuration, the Model TM is a moving horizontal arm CMM. Its arm
and...

   11/3,K/8   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

11539954   SUPPLIER NUMBER: 57873270   (USE FORMAT 7 OR 9 FOR FULL TEXT)
New and Improved Past Winners.(educational software roundup)(Buyers Guide)
Technology & Learning, 20, 4, 26
Nov, 1999
DOCUMENT TYPE: Buyers Guide   ISSN: 1053-6728   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 964   LINE COUNT: 00085

...   v. 4.0, one of a number of successors to 1988's winner SuperKey,
features **3 - D** graphics and videos that **model** correct **hand** and
finger   **motions** . Also offered are text and speech **options** to
accommodate special needs, and ergonomic and injury prevention instruction.
Online help and "Web-ready...

   11/3,K/9   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

07854480   SUPPLIER NUMBER: 16830881   (USE FORMAT 7 OR 9 FOR FULL TEXT)
EASY-TO-USE, GLOVE-BASED INTERFACE FOR WORK AND PLAY IN VIRTUAL WORLDS NOW
   AVAILABLE FROM FAKESPACE
PR Newswire, p515SJ006
May 15, 1995
LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 877   LINE COUNT: 00082

...   the capability to support a wide range of gestures.
     "The complex gloves now available for **virtual** reality development
are useful in applications where a kinematic **model** of the human hand,
supporting precise **finger** and joint **movements** , is required. However, a
simple, lower cost glove that supports a wide range of tactile...

...may be more desirable in many applications," said David Eggleston, vice
president of marketing and **sales** for Fakespace, Inc. "By focusing on our
customers' stated needs, we have been able to...

   11/3,K/10   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

02321673   SUPPLIER NUMBER: 03710856   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Forecasting a profit; Weather Services Corp. has made a business, if not a
   science, of predicting the weather.
Mamis, Robert A.
Inc., v7, p119(1)
April, 1985

ISSN: 0162-8968   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 744   LINE COUNT: 00056

...   babe. Today, though, WSC could be housed in an underground silo.
Over the last decade, **computer** meteorological **modeling** has rendered
waving a wet **finger** in the air as passe as writing with a pencil.
During the same 10 years...

...number of WSC accounts to close to 600 throughout the world, and have
raised gross **sales** to more than $2 million. From radio studios in its
two-story Colonial-style headquarters...

 11/3,K/11   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

01677552   SUPPLIER NUMBER: 15322842   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Virtual reality resource guide. (Directory)
Heath, Jenny
AI Expert, v9, n5, p32(14)
May, 1994
DOCUMENT TYPE: Directory   ISSN: 0888-3785   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 15237   LINE COUNT: 01288

...   Ont. M5V 1P9, Canada (416) 340-9290, fax (416) 348-9809.
     VPL Research Inc.
     DataGlove **Model** 4 System. Patented input device converts **hand**
gestures and positions into **computer** -readable form. The system consists
of a DataGlove, a desktop control unit (that supports up...

...Interfaces to host computers via RS-232 serial communications, Software
for SGI, Macintosh, and IBM. **Optional** Polhemus 3Space Isotrak 11,
Fastrack, or other tracking systems, Price: contact vendor.
     Advanced DataGlove Unix...

 11/3,K/12   (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

02401449 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Whirlpool Agitates Laundry Business
(Whirlpool is introducing its Ultimate Care II laundry series)
HFN, v 73, n 10, p 40
March 08, 1999
DOCUMENT TYPE: Journal ISSN: 1082-0310 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 469

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...GSL9365E at the top of the line provides 12 automatic cycles, including
an extra-rinse **option** and a Pulse Action for delicates which **mimics**
hand -washing **motions** ; six speed combinations; six water temperatures
monitored by the AccuWash **computer** chip; the Quiet Wash Plus insulation
package; a self-cleaning lint filter; Quick Select timer...

 11/3,K/13   (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

04510138   Supplier Number: 57841553   (USE FORMAT 7 FOR FULLTEXT)
Hotware; A Review of New Products.
Ochiva, Dan

...   Technologies now distributes VirtualHand Suite 2000, a developer's
tool kit that hand-enables various **software** applications. The **software**
adds **graphical** on-screen **hand** **motion** , **hand** interaction, and hand
force feedback to **simulation** applications. Modules include CyberGlove,
CyberTouch, and CyberGrasp. The company says that together these allow
users initially for the CAD and R&D **markets** , the tools include a
Java-based Device Configuration Utility, real-time collision-detection
capabilities between...

 11/3,K/14   (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

00663059 E93033903046
**Three-dimensional graohic analysis for studies of neural disorders of
movement**
(Dreidimensionale graphische Analyse fuer die Untersuchung von neuronalen
Bewegungsstoerungen)
Abhay Kothari; Poizner, H; Figel, T
Rutgers Univ. Newark, USA
Visual Data Interpretation, San Jose, USA, 10-11 February 19921992
Document type: Conference paper Language: English
Record type: Abstract

ABSTRACT:
...target and finger distance, azimuth, and elevation from the shoulder can
also be presented. Finally, **software** was developed to display the
reconstructed **motion** of the **arm** by **representing** the various segments
of the arm as surfaced cylinders. Effects of light source, shading and...

...to reproduce the velocity patterns inherent in the digital trajectory
records. There are various interactive **options** for viewing the moving
image of the arm together with representations of the trajectories of...

 11/3,K/15   (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

00605887 M92093588558
Kinematics of nonconventional grinding
(Kinematische Betrachtungen beim nichtkonventionellen Schleifen)
Dabrowski, L; Marciniak, M; Rajurkar, KP
Warsaw Univ. of Technol., PL; Univ. of Nebraska, Lincoln, USA
Computer-Aided Production Engineering, 7th Int. Conf., Tennessee
Technological Univ., Cookeville, TN, USA, 13.-14.8.19911991
Document type: Conference paper Language: English
Record type: Abstract

ABSTRACT:
...transportation, is presented in the paper. It corresponds to the working
conditions of a wheel **head** with **rotatable** abrasive segments. The
computer method of such complex machining motion **modeling** enables the
determination the following parameters to obtain constant intensity of
allowance removal or minimize the errors of surface shape: grains
dislocations trajectories, speed of displacement on an **optional** segment
of a trajectory, dominating directions of geometric structure in any place
of the surface...
?

DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

07123373   **Image available**
ELECTRONIC TRANSACTION SYSTEM

PUB. NO.:   2001-351041 [JP 2001351041 A]
PUBLISHED: December 21, 2001 (20011221)
INVENTOR(s):   HOSHINO TAKAHIRO
APPLICANT(s):   SOLVEX CO
APPL. NO.:   2000-171848 [JP 2000171848]
FILED: June 08, 2000 (20000608)
INTL CLASS: G06F-017/60; G07D-009/00

ABSTRACT
PROBLEM TO BE SOLVED: To provide an electronic transaction system capable
of completely or almost preventing the generation of a trouble inherent in
mail-order business concerned with a transaction.

SOLUTION: In a commercial transaction for allowing a commodity selling
agency to present the commodity information of a certain commodity to a
user 4 through a proper advertisement medium such as a home page of the
Internet and allowing the user 4 to select the commodity on the basis of
the presented information, show the will of purchase to the selling agency
and **exchange** the **commodity** with its price, the site of a settlement
system is set up by a third person other than the selling agency and the
user 4 in order to check the will concerned with the selling/buying of the
commodity between the selling agency and the user 4, a **virtual** account is
opened on the site, the user 4 intending to purchase the commodity
temporarily transfers the required amount of the commodity on the **virtual**
account. When the selling agency checks the temporary transfer, the
commodity is delivered from the selling source to the user 4, the reception
of the commodity by the user 4 is checked, and after the lapse of
prescribed time such as a cooling-off period, the **movement** of the price
stored in the **virtual** account to the real account of the selling agency
is permitted.

DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06371546   **Image available**
MULTI-MEDIA TELEPHONE SET

PUB. NO.:   11-313164 [JP 11313164 A]
PUBLISHED: November 09, 1999 (19991109)
INVENTOR(s):   SHIBATA MICHIKAZU
APPLICANT(s):   SHIBATA MICHIKAZU
APPL. NO.:   10-153492 [JP 98153492]
FILED: April 27, 1998 (19980427)
INTL CLASS: H04M-011/00; H04M-001/00; H04M-011/06; H04N-001/00;
                H04N-001/00

ABSTRACT
PROBLEM TO BE SOLVED: To easily perform image information exchange and
software function correction in addition to the conventional telephone
function by providing a telephone set with an image input/output device
capable of accepting handwriting and an external storage device for storing
a **software** program for controlling various kinds of functions of the
telephone set.

SOLUTION: This telephone set is provided with an image input/output device
2 capable of accepting handwriting and an external storage device 3 for
storing a **software** program for controlling various kinds of function of

the telephone set. When an opposite side telephone and a line are connected, **signal** information for confirming the function of an opposite side telephone set is **exchanged** at an **optional** timing. In addition to normal voice information exchange, image information is exchanged. The call termination of a telephone is reported by a conventional type vibrator or a wrist band type vibrator operated by a **signal** from the telephone set.

7/5/3   (Item 3 from file: 347)

03845250   **Image available**
EXCHANGING DEVICE FOR **COMMODITY** BASE

PUB. NO.:   04-210350 [JP 4210350 A]
PUBLISHED: July 31, 1992 (19920731)
INVENTOR(s):   HOTTA TAKAYOSHI
                TAKI YUKIO
                TANIMURA MITSUNORI
APPLICANT(s):   OKUMA MACH WORKS LTD [350858] (A Japanese Company or
                Corporation), JP (Japan)
                OOKUMA GIKEN KK [000000] (A Japanese Company or Corporation),
                JP (Japan)
APPL. NO.:   02-341116 [JP 90341116]
FILED: November 30, 1990 (19901130)
INTL CLASS: [5] B23Q-007/00
JAPIO CLASS: 25.2 (MACHINE TOOLS -- Cutting & Grinding); 26.9
                (TRANSPORTATION -- Other)
JAPIO KEYWORD:R062 (MACHINERY -- Automatic Tool Exchanging Equipment, ATC)
JOURNAL: Section: M, Section No. 1339, Vol. 16, No. 553, Pg. 143,
                November 24, 1992 (19921124)

ABSTRACT

PURPOSE: To reduce space with a transfer mechanism being miniaturized by subjecting the nonrestrained end of a straight link to a rectilinear **moving** in the orthogonal direction with the bisector of the revolving angle of a fluid pressure cylinder·device with the telescopic **motion** of the piston rod of the fluid pressure cylinder device.

CONSTITUTION: When the pressure fluid feeding of a fluid pressure cylinder 20B is changed over and a piston rod 21B is contracted, the arm 22Ba of a doglegged type lever 22B is revolved with its being pulled and the lever 22 becomes in the position of a **virtual** line. At this time a linear link 23B pivotally supported on the arm 22Bb end is also revolved together, but is **moved** inside a groove because of the roller 24Bb of the arm 23Bb being engaged with the guide groove of a regulating plate 25. With this **movement** the linear link 23B is **rotated** and revolved and the roller 24Ba of the arm 23Ba end traces the locus of a straight line A and becomes at the position of 24Ba'. Because the arm length of the lever 22B and that of the link 23B are equal altogether and the center of the regulating plat 25 is located on the line connecting the doglegged type levers 23A and 23B, and the center **moving** distance of the roller 24Ba to the revolving end distance of the pivotaly support point of the arm 22Bb end becomes two times.

7/5/4   (Item 4 from file: 347)

03452767   **Image available**
THREE - DIMENSIONAL HOUSING TOWER AND FORK TYPE DELIVERY DEVICE IN **THREE - DIMENSIONAL** HOUSING TOWER

PUB. NO.:   03-115667 [JP 3115667 A]
PUBLISHED: May 16, 1991 (19910516)

ABSTRACT

PURPOSE: To rapidly and safely conduct housing by providing a lifting
device and a transverse tray, mounting the transverse tray on a transverse
roller frame, pivotally supporting the tray by a plurality of rollers, and
freely delivering a housed material by the lifting of both lifting forks.

CONSTITUTION: A vehicle is advanced to a lifting space E in the state where
lifting forks 1a, 1b are landed on the ground, and the wheels are placed on
the forks. A motor M is driven to raise and stop the lifting forks 1a, 1b
onto an **optional floor** . A roller 8 is driven by a sub-motor to
transversely **move** a transverse tray 5 from housing partitions X, Y to the
lifting space E, the tray is stopped in a position where the lifting forks
1a, 1b are engaged with a housing fork 6, and then the lifting fork 1 is
lowered. Then, the roller 8 is driven to transversely **move** the transverse
tray 5 to the housing partitions X, Y to finish the docking. Hence, precise
positioning of the fork is not required, and housing and carrying out can
be conducted safely and speedily.

7/5/5   (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

01923352   **Image available**
CRIME PREVENTIVE SOUND RECORDING CONTROLLER

ABSTRACT

PURPOSE: To make a channel to correspond to an **exchange** group **optionally**
and to reduce the cost of the whole system by letting a cassette deck to
start or stop sound recording when control information is detected in some
of audio **signals** corresponding to respective channels sent from a control
part through a CODEC.

CONSTITUTION: A trunk control part 6 analyzes the contents of a start
signal A and sends a control **signal** D to a CODEC control part. The
CODEC control part 4 inserts its control contents, i.e. sound recording
start indication into the time slot of a PCM **signal** of a channel
specified with the control **signal** D, and the **signal** . The PCM **signal**
containing the control contents is converted by the CODEC9 into an original
audio **signal** , which is sent to a trunk 11. The trunk 11 starts the
cassette deck 13 according to the control contents and at the same time, a
busy **signal** is outputted corresponding to the channel. This busy **signal**

B is sent to an exchange 22 through the opposite route of the rouge of the
start **signal** A. Consequently, a blocking state is securely through
software .

7/5/6   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014413251   **Image available**
WPI Acc No: 2002-233954/200229
  System and method for integrating game and advertisement through virtual
  object
Patent Assignee: KIM D H (KIMD-I)
Inventor: KIM D H
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
KR 2001097853 A   20011108 KR 200022261   A   20000426 200229 B

Priority Applications (No Type Date): KR 200022261 A 20000426
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
KR 2001097853 A   1 G06F-017/60

Abstract (Basic): KR 2001097853 A
      NOVELTY - A system and method for integrating a game and an
  advertisement is provided to supply an opportunity capable of
  exchanging a collected item with an actual commodity to a user
  instructing a command to a **virtual** object by performing a game and
  collecting items capable of applying to an actual life and to support
  an advertising effect with respect to an item to an advertiser by
  supporting to the advertiser for recognizing the item to the users.
      DETAILED DESCRIPTION - A user terminal(20) capable of using an
  internet communication, a game supporting server(30) providing a
  virtual object rearing game service, and an affiliated concern
  server(40) are connected thereto on a wire/wireless communication
  network(10). The user terminal(20) stores a wire communication
  interface unit or a wireless communication interface unit capable of
  performing a wire or wireless internet communication, and manages the
  unit in a game supporting server on the internet. The game supporting
  server(30) supplies a game service in accordance with a **virtual**
  rearing game service requesting **signal** from the user terminal(20).
  The game supporting server(30) may include a member information
  database(32) and an advertisement information database(34) for storing
  a plurality of advertisement information for suggesting an
  advertisement to a user. An operator of the affiliated concern
  server(40) supplies a specific item commodity to the game supporting
  server(30) or performs an **exchanging** of **commodity** in accordance
  with the item or accumulated points.
      pp; 1 DwgNo 1/10
Title Terms: SYSTEM; METHOD; INTEGRATE; GAME; ADVERTISE; THROUGH; **VIRTUAL**
  ; OBJECT
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

7/5/7   **(Item 2 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014334294   **Image available**
WPI Acc No: 2002-154997/200220
XRPX Acc No: N02-117811
  Computer based virtual **reality trading system that simulates** virtual
  environment of active trading   floor **has device for a number of**
  traders to interact and complete trades via their virtual **trader**

persons on virtual trading floor
Patent Assignee: MELKOMIAN R (MELK-I)
Inventor: MELKOMIAN R; SARMA S
Number of Countries: 093 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200205182	A1	20020117	WO 2001US21377	A	20010706	200220	B

Priority Applications (No Type Date): US 2000216195 P 20000706
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200205182	A1	E	52	G06F-017/60	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200205182 A1
    NOVELTY - A device is provided for generating an interactive
virtual trading floor space and for generating **virtual** trader
persons corresponding to **virtual** images of the number of traders in
it and for supporting interactive trading between a number of the
virtual trader persons. A device is used for the number of traders to
interact and complete trades via their **virtual** trader persons on the
virtual trading floor .
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:
    (a) a method for trading financial products in a **virtual** reality
environment
    (b) a computer trading system for trading financial product
    USE - In exchanging of various securities and commodities that
simulates in a **virtual** environment an active **trading floor** .
    ADVANTAGE - Creates a **virtual** environment that simulates a
trading floor , enables users to electronically use an open **outcry**
auction for trading securities and to participate on a **virtual**
trading floor environment utilizing the open **outcry** method, as a
direct substitute for an actual ·**trading floor** .
    DESCRIPTION OF DRAWING(S) - The drawing shows a view of a **virtual**
exchange floor according to the present invention.
    pp; 52 DwgNo 4a/8
Title Terms: COMPUTER; BASED; **VIRTUAL** ; TRADE; SYSTEM; SIMULATE; **VIRTUAL**
; ENVIRONMENT; ACTIVE; TRADE; FLOOR; DEVICE; NUMBER; INTERACT; COMPLETE;
VIRTUAL ; PERSON; **VIRTUAL** ; TRADE; FLOOR
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

 7/5/8   **(Item 3 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014269244   **Image available**
WPI Acc No: 2002-089942/200212
XRPX Acc No: N02-066247
  Computing system for operational scheduling and trading of electrical
  power as applied to grids of AC power networks.
Patent Assignee: AUTOMATED POWER EXCHANGE INC (AUTO-N)
Inventor: CAZALET E G; SAMUELSON R; STREMEL J; TENEV T
Number of Countries: 091 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200190996	A2	20011129	WO 2001US15858	A	20010516	200212	B
AU 200163198	A	20011203	AU 200163198	A	20010516	200221	

Priority Applications (No Type Date): US 2000613685 A 20000711; US
  2000206852 P 20000523

Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200190996 A2 E 201 G06F-017/60
    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
    KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
    SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200163198 A   G06F-017/60   Based on patent WO 200190996

Abstract (Basic): WO 200190996 A2
        NOVELTY - The computing system supports transactions involving
    ephemeral commodities such as electrical power and its transmission,
    and trading such commodities to create commitments, scheduling, and
    settling the commitments. The system includes a market engine that
    supports a **virtual trading floor** and external market trading by
    certified clients of the system.
        DETAILED DESCRIPTION - An independent claim is included for a
    method of interacting with clients.
        USE - To integrate trading activities and scheduling for certified
    clients.
        ADVANTAGE - Upgrades of one component do not affect the integrity
    of other components.
        DESCRIPTION OF DRAWING(S) - Flow chart showing interaction between
    clients
        pp; 201 DwgNo 1A/29
Title Terms: COMPUTATION; SYSTEM; OPERATE; SCHEDULE; TRADE; ELECTRIC; POWER
 ; APPLY; GRID; AC; POWER; NETWORK
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

 7/5/9   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014172830   **Image available**
WPI Acc No: 2001-657058/200175
XRPX Acc No: N01-489772
  **Trading simulator displays buying and selling trader metaphors in
  different segments and quote board for different markets**
Patent Assignee: PROJECT B LLC (PROJ-N)
Inventor: BORCHEW M; HAUK E C
Number of Countries: 095 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200175731 A1   20011011 WO 2001US10267 A   20010330 200175 B
AU 200151143 A   20011015 AU 200151143   A   20010330 200209

Priority Applications (No Type Date): US 2000540601 A 20000331
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200175731 A1 E 38 G06F-017/60
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
    JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
    PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200151143 A   G06F-017/60   Based on patent WO 200175731

Abstract (Basic): WO 200175731 A1
        NOVELTY - Buying trader is represented by human figure with a hand
    up facing in, seller with a hand up facing away, size indicating the
    trader with the highest bid price or lowest offer price and the figures
    being arranged in rows with different colors. Audio volume changes

according to number of buying or selling traders and volume of trading.
DETAILED DESCRIPTION - Simulator comprises a data coder-decoder
connected to a graphic interface displaying buying and selling trader
metaphors and to a control interface initiating orders and to a data
interface displaying the data.
There is an INDEPENDENT CLAIM for a method of trading using a
trading simulator.
USE - Simulator is for real-time simulation of the trading action
of traders in a financial market.
ADVANTAGE - Simulator enables traders from anywhere in the world to
be linked to an exchange and represents them graphically as virtual pit
participants.
DESCRIPTION OF DRAWING(S) - The figure shows a **virtual   trading
floor** system.
pp; 38 DwgNo 1/9
Title Terms: TRADE; SIMULATE; DISPLAY; BUY; SELL; SEGMENT; BOARD; MARKET
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

 7/5/10   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014122863   **Image available**
WPI Acc No: 2001-607075/200169
XRPX Acc No: N01-453179
 Providing a virtual   trading   floor **for telecommunication products
and/or services colocation products and other measurements of capacity
using exchange points connected by remote switching equipment**
Patent Assignee: GLOBAL TELEEXCHANGE INC (GLOB-N)
Inventor: ANDERSON P D; GUARD R A; REDBERG D A
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200137509	A2	20010525	WO 2000US30147	A	20001120	200169	B
AU 200115805	A	20010530	AU 200115805	A	20001120	200169	

Priority Applications (No Type Date): US 2000667687 A 20000922; US 99166170
 P 19991118
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200137509 A2 E   53 H04L-029/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200115805 A   H04L-029/00   Based on patent WO 200137509

Abstract (Basic): WO 200137509 A2
    NOVELTY - A **virtual   trading   floor** system (100) comprises
exchange points (102) at various geographical locations around the
world and each including local access concentrators (104) connecting
the points to a trading member (106) and to gateway switching equipment
(110,111). A soft-switch (112) controls data transmission and a
virtual   trading   floor (118) works in conjunction with an account
management module (124), a network management module (114), a call
processing module (112), a trade provisioning module (126), a member
support module (128) and a membership management module (130).
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for a system
for trading telecommunication services or products, for a **virtual
trading   floor** and for an exchange support system and method.
    USE - Providing a **virtual   trading   floor** for telecommunication
products and services.
    ADVANTAGE - Providing anonymity to members and reducing

provisioning time.
DESCRIPTION OF DRAWING(S) - The drawing is an overview of the system
Exchange points (102)
Access concentrators (104)
Trading members (106)
Switching equipment (110,111)
Soft-switch (112)
Virtual trading floor (118)
Member support module (128)
pp; 53 DwgNo 1/5
Title Terms: VIRTUAL; TRADE; FLOOR; TELECOMMUNICATION; PRODUCT; SERVICE;
  PRODUCT; MEASURE; CAPACITY; EXCHANGE; POINT; CONNECT; REMOTE; SWITCH;
  EQUIPMENT
Derwent Class: T01; W01
International Patent Class (Main): H04L-029/00
File Segment: EPI

7/5/11   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013981460   **Image available**
WPI Acc No: 2001-465674/200150
XRPX Acc No: N01-345451
   Virtual   trading   floor **system in an interactive decision support
   system for monitoring and responding to system and market events
   displayed as a three-dimensional view**
Patent Assignee: NEW YORK STOCK EXCHANGE (NYST-N)
Inventor: ALLEN A E; HICKS M; SEGAL D
Number of Countries: 020 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200155968   A2   20010802 WO 2001US3066   A   20010131 200150   B
FR 2804526   A1   20010803 FR 20011340   A   20010131 200150

Priority Applications (No Type Date): US 2000179296 P 20000131
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200155968 A2 E   35 G06T-011/20
   Designated States (National): JP
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE TR
FR 2804526   A1   G06F-017/50

Abstract (Basic): WO 200155968 A2
      NOVELTY - A dashboard (301) provided below a three-dimensional view
   of a **virtual   trading   floor** (202) displays two-dimensional
   numerical and symbolic information of interest and can be separated
   into a system dashboard (302), a user selected dashboard (303) and a
   business dashboard (304), while containers on the floor area contain
   three-dimensional graphical information of interest. A group container
   (308) graphically displays statistics for a group of stock or other
   items, while navigation and display settings are provided through a
   control station.
      DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a
   method and system for displaying data representing operation of an
   exchange.
      USE - Displaying a three-dimensional model of a **virtual   trading
   floor** .
      ADVANTAGE - Allowing rapid assimilation of large amounts of
   information as events occur.
      DESCRIPTION OF DRAWING(S) - The drawing shows the system
      Dashboard (301)
      Virtual   trading   floor (202)
      Group container (308)
      pp; 35 DwgNo 3/9

Title Terms: VIRTUAL; TRADE; FLOOR; SYSTEM; INTERACT; DECIDE; SUPPORT;
  SYSTEM; MONITOR; RESPOND; SYSTEM; MARKET; EVENT; DISPLAY; THREE;
  DIMENSION; VIEW
Derwent Class: T01
International Patent Class (Main): G06F-017/50; G06T-011/20
International Patent Class (Additional): G06F-017/60; G06T-017/00
File Segment: EPI

  7/5/12   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013956829   **Image available**
WPI Acc No: 2001-441043/200147
XRPX Acc No: N01-326279
  **Commodity virtual trading method in on-line network, involves committing
  purchase and sale transactions from trading entity to supplier and
  customer entities through network respectively using data interchange
  medium**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC);
  IBM UK LTD (IBMC)
Inventor: CHANG S L; CRABTREE M R; QUEK N
Number of Countries: 093 Number of Patents: 003
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200114994 A2   20010301   WO 2000GB3158 A   20000814   200147 B
JP 2001101314 A   20010413   JP 2000235141 A   20000803   200147
AU 200067063 A   20010319   AU 200067063   A   20000814   200147

Priority Applications (No Type Date): SG 994128 A 19990819
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200114994 A2 E   47 G06F-017/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE
    KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO
    RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
JP 2001101314 A   25 G06F-017/60
AU 200067063 A   G06F-017/00   Based on patent WO 200114994

Abstract (Basic): WO 200114994 A2
      NOVELTY - A sale order (432) for commodity is received from
  customer entity through network at trading entity using data
  interchange medium (450). A supplier entity of commodity is sourced by
  trading entity dependent upon information on network. Purchase and sale
  transactions of commodity are committed from trading entity to supplier
  and customer entities through network respectively using data
  interchange medium.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
  following:
    (a) Commodity Virtual trading apparatus;
    (b) Computer program product
      USE - For virtual trading of commodities between business entities
  using networks such as Internet, intranet, extranet.
      ADVANTAGE - Enables trading of electronic components and the system
  utilizes new business model implemented using information technology to
  create virtual environment to buy, sell or trade commodities over WWW
  of Internet.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
  virtual   commodity   exchange .
      Sale order (432)
      Data interchange medium (450)
      pp; 47 DwgNo 4/7
Title Terms: COMMODITY; VIRTUAL; TRADE; METHOD; LINE; NETWORK; PURCHASE;
  SALE; TRANSACTION; TRADE; ENTITY; SUPPLY; CUSTOMER; ENTITY; THROUGH;

Derwent Class: T01
International Patent Class (Main): G06F-017/00; G06F-017/60
File Segment: EPI

7/5/13   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013851407   **Image available**
WPI Acc No: 2001-335620/200135
XRPX Acc No: N01-242299
  **Trading method for ephemeral, fungible commodities of electrical power
  grid comprising AC power network, to provide** virtual   trading   floor
  for trading fungible, ephemeral commodities including electrical energy
Patent Assignee: AUTOMATED POWER EXCHANGE INC (AUTO-N)
Inventor: CAZALET E G; TENEV T
Number of Countries: 090 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200128063   A1   20010419   WO 2000US22489 A   20000816   200135   B
AU 200067782   A   20010423   AU 200067782   A   20000816   200147

Priority Applications (No Type Date): US 2000564415 A 20000502; US 99158603
  P 19991008
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200128063 A1 E 100 H02J-003/00
   Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
   CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
   KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
   SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200067782 A   H02J-003/00   Based on patent WO 200128063

Abstract (Basic): WO 200128063 A1
     NOVELTY - The method involves maintaining market a market interval
  collection of market intervals, and maintaining a validated order
  collection of validated orders, each with an associated market
  interval.
     DETAILED DESCRIPTION - The method involves trading ephemeral,
  fungible commodities of an electrical power grid containing at least
  one AC power network each containing a node collection of at least two
  nodes. The method involves maintaining a market interval collection of
  market intervals, and maintaining a validated order collection of
  validated orders, each within an associated market interval. Each
  market interval contains a product type, location and at least one time
  interval. INDEPENDENT CLAIMS are included for; a program operating
  system composed of program code segments for supporting a method for
  trading for ephemeral, fungible commodities of electrical power grid
  comprising AC power network.
     USE - **Virtual   trading   floor** for trading fungible, ephemeral
  commodities including electrical energy.
     ADVANTAGE - Allows for complex orders to be processed, such that
  energy may be ordered along with the transmission rights for that
  power.
     DESCRIPTION OF DRAWING(S) - The drawing shows a **virtual   trading
  floor** containing validated orders and market intervals with
  associated market states in accordance with the invention.
         Virtual   trading   floor (100)
       Market states (1102, 1122, 1142, 1162)
       Market intervals (1100, 1200, 1140, 1160)
       Validated order (1200, 1210, 1220, 1230, 1240, 1250)
       pp; 100 DwgNo 3/25
Title Terms: TRADE; METHOD; FUNGIBLE; COMMODITY; ELECTRIC; POWER; GRID;
  COMPRISE; AC; POWER; NETWORK; VIRTUAL; TRADE; FLOOR; TRADE; FUNGIBLE;

COMMODITY; ELECTRIC; ENERGY
Derwent Class: T01; X12
International Patent Class (Main): H02J-003/00
International Patent Class (Additional): G06F-017/60
File Segment: EPI

7/5/14   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012090188   **Image available**
WPI Acc No: 1998-507099/199843
XRPX Acc No: N98-395298
  Video distribution hub for driving plural data displays - provides
  multi-head virtual **monitor from perspective of host computer, with one**
  or more hubs input from standard graphics card
Patent Assignee: PIXELVISION TECHNOLOGY INC (PIXE-N); CYBEX COMPUTER PROD
  CORP (CYBE-N)
Inventor: DESMARAIS M A; GILGEN R L; HENRY K E; MANSELL B N; ODRYNA V
Number of Countries: 081 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9841008	A2	19980917	WO 98US4537	A	19980309	199843	B
AU 9866929	A	19980929	AU 9866929	A	19980309	199906	
EP 966835	A2	19991229	EP 98909047	A	19980309	200005	
			WO 98US4537	A	19980309		
US 6104414	A	20000815	US 9740730	A	19970312	200041	
			US 97909924	A	19970812		
US 6333750	B1	20011225	US 9740730	A	19970312	200206	
			US 97909924	A	19970812		
			US 98100582	A	19980619		

Priority Applications (No Type Date): US 97909924 A 19970812; US 9740730 P
  19970312; US 98100582 A 19980619
Cited Patents: No-SR.Pub
Patent Details:
Patent No Kind Lan Pg Main IPC   Filing Notes
WO 9841008   A2 E 44 H04N-000/00
   Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
   CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR
   LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
   TR TT UA UG UZ VN YU ZW
   Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GM GR IE
   IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW
AU 9866929   A   H04N-003/00   Based on patent WO 9841008
EP 966835   A2 E   H04N-003/00   Based on patent WO 9841008
   Designated States (Regional): DE FR GB
US 6104414   A   G09G-005/36   Provisional application US 9740730
US 6333750   B1   G09G-005/00   Provisional application US 9740730
                                    CIP of application US 97909924
                                    CIP of patent US 6104414

Abstract (Basic): WO 9841008 A
     The distribution hub drives plural video display monitors. A video
  data **signal** is input to the video distribution hub (20) from a buffer
  in a single head graphics card or other suitable source. The hub
  processes the received **signal** and stores selected data segments
  corresponding to selected parts of one or more video buffers (26).
     The stored data is used to drive respective video displays (28),
  e.g. flat panel LCD's or conventional CRT's. The distribution hub will
  accommodate displays of differing resolutions, which may be formatted
  into a 'portrait' (upright) or 'landscape' (horizontal) orientation.
     USE/ADVANTAGE - For economically presenting large amounts of visual
  data, e.g. to multiple traders on financial institution **trading**
  floor . Enables increased number/size of data displays without
  requiring expensive, limited feature multi-head graphics cards, and
  overcoming restricted number of computer bus-slot outputs, e.g. three,

available from typical personal computer, also retaining traditional
line-of-sight communication between individual trading personnel.
        Dwg.2/16
Title Terms: VIDEO; DISTRIBUTE; HUB; DRIVE; PLURAL; DATA; DISPLAY; MULTI;
  HEAD; **VIRTUAL** ; MONITOR; PERSPECTIVE; HOST; COMPUTER; ONE; MORE; HUB;
  INPUT; STANDARD; GRAPHIC; CARD
Derwent Class: P85; T01; T04; W02
International Patent Class (Main): G09G-005/00; G09G-005/36; H04N-000/00;
  H04N-003/00
File Segment: EPI; EngPI

01694824   SUPPLIER NUMBER: 16158616   (THIS IS THE FULL TEXT)
At the cutting edge. (finance companies exploiting the latest technologies)
  (includes related articles on TSB Bank and Lionhart Investments)
Davidson, Clive
Computer Weekly, p28(2)
July 7, 1994
ISSN: 0010-4787   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2536   LINE COUNT: 00205

ABSTRACT: Technology is the key to success in the financial services
industries and these companies exploit new technologies as soon as they
become available. Finance is now a 24-hour, global market, and the ability
to interpret or anticipate market changes can provide huge profits or help
to minimize losses. This trend has been fueled by the incredible growth in
the derivatives markets, which are extremely complex and fast moving. The
IT systems for today's banks can include neural networks, object-oriented
programming, genetic algorithms, fuzzy logic, chaos theory, fractals,
virtual reality and data visualization. Financial companies are probably
the most interested in neural networks that mimic the way the human brain
functions. The UK's Department of Trade and Industry (DTI) is funding two
programs focusing on the financial community: a technology transfer program
and a Neural Networks for Financial Services project.

TEXT:
       In the fast moving and fiercely competitive world of financial
services, technology is a key weapon and new technologies are seized and
exploited almost as soon as they emerge from the labs.
       Probably more than any other sector, financial services rides the
crest of the new technology wave. Finance is increasingly a 24-hour global
activity with vast sums flashing between markets over the electronic
communications web.
       The ability to rapidly interpret the markets and anticipate their
movements can lead to huge profits, or at least avoid huge losses. And with
large sums of money committed in the markets, financial organisations need
to be able to calculate how much risk they are exposed to. Meantime, the
frenetic trading activities must be tracked and accounted for.
       The quest for competitive edge through technology has been fuelled by
the massive growth of the derivatives markets. Derivatives are financial
"instruments" derived from an underlying source. For example, a "future" is
a contract to buy a certain quantity of something, such as oil or coffee,
for a certain price at a certain date in the future.
       Derivatives like futures, options, swaps, warrants, and so on, were
devised as instruments to manage risk in trading. They have now become an
enormous business that is extremely complex and moves at a rapid pace. New
derivatives are constantly being created that might only trade profitably
for a matter of months.
       The sheer speed and complexity of today's markets has forced banks
and other financial organisations to look beyond their conventional
analytical techniques and computer systems. Nowadays, a bank's IT arsenal
can include object-oriented technology, neural networks, genetic
algorithms, fuzzy logic, fractals, chaos theory, data visualisation and
virtual reality.
       Probably the most widely investigated so far is neural networks --
computer systems that mimic the way in which the human brain operates.
       In the UK the Department of Trade and Industry (DTI) has sponsored
two programmes focused on the financial sector: the Neuroforecasting Club,
a technology transfer programme run by the London Business School with the
University College London (UCL); and the Neural Networks for Financial
Services project run by TSB Bank Technology, with the Henley Centre for
Forecasting and, again, UCL (see box).
       Meanwhile, Chemical Bank, Citibank and JP Morgan are among the many
institutions known to be investigating or actively using the technology.
       Although running for a relatively short time, the UK programmes have
produced some significant results. The Neuroforecasting Club, for example,
has developed a neural system for tactical asset allocation on the global

bonds markets. The system covers seven markets -- the UK, France, Germany, Japan, the US, Canada and Australia -- each of which is modelled on a local neural network.

These are "trained" on historical data to produce short-term predictions on a monthly basis. The local predictions are then combined into a global portfolio management system.

The system has been run live since November 1992 by a North American insurance company based in Boston. Starting with a fund of $25m, which was increased to $50m, the portfolio has showed returns over 25% in its first year of operation, according to Dr Paul Refenes, head of non-linear applications and financial engineering at the London Business School. The fund is now being increased to $150m.

There is nothing magical about the success of the system, says Refenes. "A neural network is a universal approximator. It can solve any problem in nature. But if you give it junk input and junk output it will find a relation between the two."

One of the techniques currently being used to identify which data should be used with neural networks is genetic algorithms. As their name suggest, these algorithms borrow the techniques of evolution -- genetic crossover, mutation and reproduction -- to "evolve" the best solution to a problem from a starting set of random solutions.

Genetic algorithms can also be used to optimise the parameters of the neural network itself, for example selecting the number of processing elements in the network and how they should be interconnected. A genetic algorithm can be used to find the optimal solution that will meet the system's performance requirements as well as its constraints, says Guido Deboeck, adviser on advanced technology at the World Bank and editor of Trading on the Edge, a handbook on neural, genetic and fuzzy logic systems for financial markets.

"Genetic algorithms, sometimes hybridised with other optimisation algorithms, are the best type of optimisation algorithm available across a wide range of problem types," reckons Deboeck.

"Genetic algorithms can be applied in several ways in the financial field: to optimise the inputs to a trading system; for rule induction; to construct rules that can be used for trading; or to combine models from a given set of plausible models," he adds.

But long before neural networks and genetic algorithms came along, analysts and traders were looking for patterns in share and derivative price movements and for indicators that pointed to a change in the price trend.

The analysis of the internal dynamics of the markets is called "technical analysis" and over the years many theories have been put forward that claim to explain or predict at least some market movements. Probably the best known is the "moving average", the average of market prices taken at specific time intervals, for example weekly, monthly or yearly.

As desktop computer power has increased, technical analysts have been developing systems that give more sophisticated and timely analysis. For example, systems and training house Fiamass, from its experience as a former London futures broker, has developed a system that applies a number of proprietary techniques to historical price data to calculate the underlying dynamics of a market. The system plots continuous flow lines through charts of historical prices to indicate the likely direction and range of future movement in the market.

Although visually resembling moving averages, the flow lines represent cyclic movements measured at different time intervals that track the market more closely than a moving average. Called Flo Analysis, the system runs on PC or Unix networks linked to a database fed with real-time price data. Sales are primarily to large dealing rooms in North American, European and Far Eastern financial institutions, such as the Swiss Bank Corporation and Merrill Lynch Europe.

By turning a mass of data into pictures, Flo Analysis aims to help traders interpret market movements more quickly and accurately. This approach to visualising data is being increasingly used as a means of getting to grips with the high volumes of complex information in the markets.

"One has to appreciate that financial systems are essentially multi-dimensional in character," explains Dr William Shaw, a mathematician specialising in the application of mathematics and visualisation in

finance.

Financial instruments can have a number of variables, such as price, volume, volatility, premium and so on. Using conventional graphical techniques to model an instrument where there are, for instance, five variables, four can be fixed and the fifth plotted as a simple line graph. But this gives only a limited idea of how the variables relate and influence one another.

"The more variables you allow to be free at once the better the picture you get. With visualisation you can show three variables, using animation or stacking to show the third variable. Visualisation allows you to see how the factors interact with one another," adds Shaw.

To exploit the "bandwidth" of our visual sense to interpret complex high volume data, financial organisations such as Morgan Grenfell, Lehman Brothers and Barclays BZW are now using data visualisation products originally developed for scientific applications, including PV-Wave from Visual Numerics, or extending the visualisation funtions of mathematical software, such as Mathematica from Wolfram Research and MatLab from The MathWorks.

Virtual reality (VR) is a natural extension of data visualisation. VR increases the number of dimensions in which information can be displayed and allows the user to "enter" and explore the information as if it were a physical environment.

The first VR product for market traders, Metaphor Mixer from Maxus Systems International of New York, appeared last year. It represents financial instruments as animated 3D objects in a market "terrain". The shape, colour and movement of the objects indicates factors such as price and volume and volatility of sales. It has already been used successfully at ABD Securities, a subsidiary of Dresdner Bank in New York. Metaphor Mixer is now available in the UK from BT's systems integration subsidiary Syntegra.

But whatever advantages technologies such as virtual reality, neural networks and genetic algorithms might bring, successful implementation requires careful design and inevitably involves trial and error.

It is also essential that technical skill is informed with financial expertise.

There is also a growing recognition that the individual technologies are limited if applied in isolation and that a more effective course is to combine them in a "cascade", matching the most appropriate technology to each part of the problem.

"Neural networks, for example, are powerful tools, which is good news," says Dr Richard Olsen, founder of Olsen & Associates, a Swiss-based economic research organisation investigating the application of emerging technologies. "But the bad news is that if you want to find optimal trading strategies with neural networks it does not work because the problem is many-layered and can be divided into many sub-problems."

Each of the sub-problem layers -- such as filtering data, statistical analysis, defining and selecting indicators and clarifying the user's goals -- requires careful attention, says Olsen.

A neural network is only one of a number of tools that can be applied to the overall problem, and is most useful only when many of the sub-problems have been solved.

TSB Bank, World Bank and University College London are among the organisations that, like Olsen & Associates, are investigating the possibility of combining new technologies into hybrid systems.

One of the first organisations to test the power of such a hybrid system is the London Stock Exchange. The exchange is concerned about its ability to detect insider dealing, where dealing rings, or individuals with several accounts, trade across all their accounts to exploit inside information or to manipulate the markets.

Spotting the tell-tale patterns of insider dealing among the thousands of transactions that occur every day at the exchange is a daunting task. It is estimated that using conventional search techniques it would take many years to analyse just a few months' worth of transactions.

Genetic algorithms, on the other hand, are able to search huge volumes of data and come up with useful results in a matter of minutes, while neural networks are good at recognising patterns.

The London Stock Exchange has recently completed the first stage of testing a system codenamed Monitars (Monitoring Insider Trading and

Regulatory Surveillance). The system was supplied by SearchSpace, a company recently spun out of University College London's computer science department.

SearchSpace's main focus is applying the new technologies to insurance risk assessment, credit evaluation and fraud detection.

"It is the combination of techniques, 'intelligent hybrid systems', that is increasingly solving hard real-world problems," says Suran Goonatilake, a founder of SearchSpace. "This is because each technique has particular strengths and weaknesses and it is by combining them that one can overcome the limitations."

But in the end, all these new technologies are just tools, says Bill Edisbury, manager of emerging technology at TSB Bank. TSB has been in the forefront of applying neural networks to financial problems and is currently investigating the use of genetic algorithms in marketing and credit risk applications.

"What you want to do is match the best tool to the job," says Edisbury. The result can mean millions of pounds in savings, through better marketing, better risk assessment and better fraud detection.

TSB Bank: a neural approach

TSB Bank is one of the most forward-looking organisations in terms of applying new technologies to financial problems. TSB was the lead partner and project manager in the recent Department of Trade and Industry and Science and Engineering Research Council's Neural Networks for Financial Services project.

The project focused on three areas -- forecasting fixed interest rate movements, foreign exchange forecasting and insurance claims forecasting.

A neural network system for the forecasting of long-term gilts contracts was developed and installed at Hill Samuel Investment Management. The system simulated a number of trading strategies, achieving an accuracy of 57% in predicting the direction of market movements. The original system runs on a Sun workstation, although a PC version is planned.

Meanwhile, actuaries at TSB General Insurance, Newport, are using neural networks to forecast personal loan protection insurance. The forecaster uses a neural network model with the claims frequency based on national unemployment statistics and claims history. Premiums are being set using the forecasts from the network.

"Neural networks are very quick to develop business applications if the data is complete and available in a form that the network can understand," says Bill Edisbury, manager of emerging technology at TSB Bank.

Lionhart Investments: visualising markets

Terrence Duffy is an independent fund manager who, as Lionhart Investments, trades financial warrants and convertible bonds.

The ability to visualise the performance of financial instruments in the markets is a valuable extension of his conventional analytical tools.

Duffy's computer system is built around an 85 Mips (million instructions per second) Sun SparcStation 5 networked via Ethernet to three older SparcStations -- two 4/110s and an inter-process communicator. Two KiloStream lines bring in 24-hour real-time market data from Bridge Data Services. Duffy's software takes snapshots of the data and stores it in a Sybase database.

Duffy writes most of his own analytical software. His system combines current and historical data to create tables of the instrument in which he is interested, sorted by a number of financial variables, such as price, implied volatility, premium and so on. From the tables, Duffy can select an instrument such as a warrant and take it into an associated program for further calculation.

The result of these table sorts and calculations is a series of numbers that indicate the instrument's performance. To put the numbers in perspective, to relate them to one another and to quickly gain insight into his data, Duffy turns them into pictures using the data visualisation functions of Matlab from The MathWorks.

"When I select the warrant that I want I can look at it graphically and see if I'm getting burnt or if I should wait before I buy," he says.

SPECIAL FEATURES: illustration; photograph
DESCRIPTORS: Trends; Information Systems; Financial Services; Neural

Network; Technology
SIC CODES: 6000 DEPOSITORY INSTITUTIONS
FILE SEGMENT: CD File 275

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S3      714319     HAND? ? OR BODY OR FINGER? OR HEAD? ? OR ARM? ?
S4     2218546     MOVE? OR MOVING? OR MOTION? OR ROTAT? OR WAVE? ? OR WAVING?
                   OR SIGNAL? OR GESTUR? OR OUTCRY? OR OUT()CRY???
S5       22512     S3(2N)S4
S6        2155     S5(5N)S2
S7         130     S6(15N)S1
S8         113     S7 NOT PY>2000
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S11          2     S10 AND (AUCTION? OR TRAD???? OR STOCK? ? OR DUTCHAUCTION?
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           (c) 2002 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/May 14
           (c) 2002 The Gale Group
```

11/5/1   (Item 1 from file: 2)

6771525   INSPEC Abstract Number: C2001-01-5540B-008
   Title: **Preliminary evaluation of global hand function measurement device**

   Author(s): Wilson, B.; Graham, J.; Quesada, P.; Maldonado, C.; Orhun, H.;
Barker, J.; Gupta, A.
   Author Affiliation: Louisville Univ., KY, USA
   Conference   Title: SMC   2000   Conference   Proceedings.   2000   IEEE
International Conference on Systems, Man and Cybernetics. `Cybernetics
Evolving to Systems, Humans, Organizations, and their Complex Interactions'
(Cat. No.00CH37166)   Part vol.3   p.1842-6 vol.3
   Publisher: IEEE, Piscataway, NJ, USA
   Publication Date: 2000 Country of Publication: USA   5 vol.3895 pp.
   ISBN: 0 7803 6583 6   Material Identity Number: XX-2000-02508
   U.S. Copyright Clearance Center Code: 0 7803 6583 6/2000/$10.00
   Conference   Title: Proceedings   of   IEEE   International   Conference   on
Systems, Man, and Cybernetics
   Conference Sponsor: Syst., Man and Cybern. Soc. IEEE
   Conference Date: 8-11 Oct. 2000   Conference Location: Nashville, TN,
USA
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Practical (P)

   Abstract: This paper presents initial results from the evaluation of a
new virtual reality, force feedback device for measurement of global hand
function. In particular, this paper describes the software developed to
better support the collection, transformation and display of hand data from
the device hardware, and it also describes the initial testing of the
device using the improved software interface. The raw vector information
provided by the device is of only limited use in understanding the hand
motion being measured. By transforming and incorporating the vector data
into an articulated **3 - D** structure using the Open Graphics Library
standard, a crude but useable **graphical model** of the **hand** and its
 movements has been developed. Several **options** are available for
manipulation of the model, including camera positioning, lighting, emphasis
effects, and digit segment rotation estimates. Studies with the device
revealed several hardware constraints that prevent comprehensive data
analysis and force feedback. However, the software was shown to be an
effective way to quantify and visualize the movements of the human hand.
Future work will include retrieval and display of movement rates and
forces, as well as a more realistic display of the hand. (7 Refs)
   Subfile: C
   Descriptors: computer graphics; force feedback; gesture recognition;
haptic interfaces; input-output programs; virtual reality
   Identifiers: global hand function measurement device; virtual reality;
force feedback device; global hand function; hand data; software interface;
hand motion; vector data; articulated 3D structure; Open Graphics Library
standard; graphical model; camera positioning; emphasis effects; digit
segment rotation estimates; force feedback; object-oriented software
architecture; Cybernet device
   Class Codes: C5540B (Interactive-input devices); C6130V (Virtual reality)
; C6180 (User interfaces); C6130B (Graphics techniques)
   Copyright 2000, IEE

11/5/2   (Item 2 from file: 2)

01188785   INSPEC Abstract Number: A78040221, C78012568
   Title: **Interactive computer graphics in the study of human body planar
motion under free fall conditions**

   Author(s): Boysen, J.P.; Thomas, R.A.; Francis, P.R.
   Author Affiliation: Dept. of Computer Sci., Iowa State Univ., Ames, IA,
USA
   Journal: Journal of Biomechanics   vol.10, no.11-12   p.783-7
   Publication Date: 1977 Country of Publication: UK

Abstract: A computer program utilizing interactive graphics was developed
in order to study the planar motion of a five-segment model of the human
body. By providing instantaneous feedback and convenient **graphical**
representation of the body, the program allows the user to quickly
simulate and study **body motions** of interest. Consequently, the **model**
is a useful tool for the researcher and may be readily employed for
student instructional purposes. The configuration of the model, and the
derivation and validation of the equations of motion, are included. Several
options provided by the simulation are described. (13 Refs)

4/3,K/1   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00871075   **Image available**
VIRTUAL INTERACTIVE GLOBAL EXCHANGE
ECHANGE GLOBAL INTERACTIF VIRTUEL
Inventor(s):
  SARMA Sanjay, 67 Hurd Road, Belmont, MA 02478, US,
Patent Applicant/Inventor:
  MELKOMIAN Raymond, 68-23 Douglaston Parkway, Douglaston, NY 11362, US, US
    (Residence), US (Nationality)
Legal Representative:
  SAPONE William J (agent), Coleman Sudol Sapone P.C., 714 Colorado Avenue,
    Bridgeport, CT 06605, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200205182 A1 20020117 (WO 0205182)
  Application: WO 2001US21377 20010706 (PCT/WO US0121377)
  Priority Application: US 2000216195 20000706
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
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  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
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  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11633

Fulltext Availability:
  Detailed Description
  Claims

Detailed Description
... trading securities.

  It is yet another object to allow multiple users to participate on a
  virtual   trading   floor environment utifiang the open **outcry** method,
  as a direct substitute for an actual trading floor.

  These and other objects of...

...the features and nuances that are unique to the face to face interaction
  on a **trading   floor** are acceptably incorporated and integral to the
  virtual trading environment. Such a system makes geographic boundaries
  transparent by nature, as the virtual exchange...

...as a glove that converts hand movement into a digital signal for
  simulation on the **virtual   trading   floor** . Various devices are known
  for user interaction with a **virtual** environment, from a glove, to a
  headset with an internal or heads up display to...virtual environment in
  which traders, located in remote locations,
  can participate on an open outcry **trading   floor** ;
   Provide an interface to order execution systems;
   Provide 'a **virtual** environment in which traders, can feel
  coinfortable; Provide all trading data within the virtual environment
  ...

Claim
... further comprising means for supplying selected information to the
  plurality of traders while in the **virtual   trading   floor** space. 1 5
  4. The system according to claim. 1 "er comprising means for enabling...

...via signals selected from the group consisting of voice, optical,
  mechanical, hand, body or head **movement** . 5 . The system according to
  claim 1 further comprising means for clearing trades.

4/3,K/2 **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00858344   **Image available**
METHOD AND SYSTEMS SUPPORTING TRADING OF FUNGIBLE EPHEMERAL COMMODITIES AND
    FUNGIBLE   NON-EPHEMERAL   COMMODITIES   INCORPORATING   TRANSMISSION
    CONTRACTING
PROCEDE   ET   SYSTEMES   D'ASSISTANCE   A   LA   NEGOCIATION   DE   BIENS   FONGIBLES
    EPHEMERES   ET   NON   EPHEMERES   AVEC   CONCLUSION   DE   CONTRATS   PAR
    TELECOMMUNICATIONS
Patent Applicant/Assignee:
  AUTOMATED POWER EXCHANGE INC, Suite 522, 5201 Great America Parkway,
    Santa Clara, CA 95054, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  SAMUELSON Ralph, 935 Clark Avenue, Unit 4, Mountain View, CA 94040, US,
    US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  GLENN Michael (et al) (agent), Glenn Patent Group, Suite L., 3475 Edison
    Way, Menlo Park, CA 94025, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200191013 A2-A3 20011129 (WO 0191013)
  Application: WO 2001US16886 20010523 (PCT/WO US0116886)
  Priority Application: US 2000206852 20000523; US 2000613685 20000711
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25446

Fulltext Availability:
  Detailed Description

Detailed Description
... seller then makes
  adelitional income from the actual purchased amount at the agreed price.

  The **virtual   trading   floor** may apply to a power grid containing at
  least one AC power network, and capacity...
...sometimes known as spinning and non-spinning
  61
  resources. Spinning resources are often turbine generators **rotating**
  already at operational speed, and thus can be brought on line in a short
  time...

4/3,K/3 **(Item 3 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00858335
METHOD   AND   APPARATUS   FOR   AN   ENGINE   SYSTEM   SUPPORTING   TRANSACTIONS,
    SCHEDULES   AND   SETTLEMENTS   INVOLVING   FUNGIBLE,   EPHEMERAL   COMMODITIES
    INCLUDING ELECTRICAL POWER
PROCEDE   ET   APPAREIL   DESTINE   A   UN   SYSTEME   DE   MOTEUR   SUPPORTANT   DES
    TRANSACTIONS,   DES   ORDONNANCEMENTS   ET   DES   REGLEMENTS   CONCERNANT   DES
    MARCHANDISES FONGIBLES ET EPHEMERES, DONT L'ENERGIE ELECTRIQUE

Patent Applicant/Assignee:
  AUTOMATED POWER EXCHANGE INC, Suite 522, 5201 Great America Parkway,
    Santa Clara, CA 95054, US, US (Residence), US (Nationality), (For all
    designated states except: US)
Patent Applicant/Inventor:
  CAZALET Edward G, 26340 Alexander Place, Los Altos Hills, CA 94022, US,
    US (Residence), US (Nationality), (Designated only for: US)
  SAMUELSON Ralph, 938 Clark Avenue, Unit 4, Mountain View, CA 94040, US,
    US (Residence), US (Nationality), (Designated only for: US)
  STREMEL John, 368 Dawson Drive, Santa Clara, CA 95051, US, US (Residence)
    , US (Nationality), (Designated only for: US)
  TENEV Tichomir, 610 Cree Avenue, San Jose, CA 95123, US, US (Residence),
    BG (Nationality), (Designated only for: US)
Legal Representative:
  GLENN Michael (et al) (agent), Glenn Patent Group, Ste. L., 3475 Edison
    Way, Menlo Park, CA 94025, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200190996 A2 20011129 (WO 0190996)
  Application: WO 2001US15858 20010516 (PCT/WO US0115858)
  Priority Application: US 2000206852 20000523; US 2000613685 20000711
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG US UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 39246

Fulltext Availability:
  Detailed Description

Detailed Description
... seller then makes
  additional income from the actual purchased amount at the agreed price.

  The **virtual   trading   floor** may apply to a power grid containing at
  least one AC power network, and capacity...

...are sometimes known as spinning and non-spinning
  resources. Spinning resources are often turbine generators **rotating**
  afready at operational speed, and thus can be brought on line in a short
  time...

 4/3,K/4   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00843140
VIRTUAL TRADING FLOOR SYSTEM
SYSTEME DE BASE DE COMMERCE VIRTUEL
Patent Applicant/Assignee:
  PROJECT B LLC, 141 West Jackson Boulevard, Chicago, IL 60604, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  HAUK Eric C, 21053 North Crestview Drive, Barrington, IL 60010, US, US
    (Residence), US (Nationality), (Designated only for: US)
  BORCHEW Michael, 2685 Edgewood Lane, River Woods, IL 60015, US, US
    (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
  PAQUIN Joseph H Jr (agent), McDermott, Will & Emery, 227 West Monroe,
    Chicago, IL 60606, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200175731 A1 20011011 (WO 0175731)

Fulltext Availability:
  Detailed Description

Detailed Description
... virtual reality headset and the like.

SUMMARY OF THE INVENTION
The present invention is a **virtual   trading   floor** based on the pit
traded open **outcry** auction process currently conducted at the major
U.S. commodity and stock option exchanges. It is an object of the present
invention to provide a ftont-end **virtual   trading   floor** system to be
interconnected with existing electronic exchanges.
It is farther an object of the...

...such a system, an off-site trader using a personal computer system can
view a **virtual   trading   floor** on the computer's monitor. The display
may be a 2-dimensional or 3dimensional display that may or may not .
require special viewing equipment. The **virtual   trading   floor** will
comprise metaphors of actual buying and selling traders trading on the
current exchange. The **virtual   trading   floor** , using the metaphor,
will mimic the pit traded open **outcry** auction process. Using the
virtual   trading   floor as a
4
guide, individual traders can submit orders and interact with a market or
...

...In an embodiment, an off-site trader will conduct trades,as a
participant in a **virtual** pit, as opposed to the **virtual   trading
floor** where the trader views a 2 or 3 dimensional display. In the
virtual reality trading system, an interface may be used to generate a
virtual reality simulation that includes full- **motion** graphical
metaphors that represent actual persons in a cyberspace system. Such an
interface would be capable of generating 3-dimensional metaphors whose
movements , actions, size and shape are responsive to and synchronized
with an actual trader's **movements** . It is contemplated that the virtual
reality trading system could be implemented by way of...are shown in
block diagram form in order to avoid unnecessarily obscuring the present
invention.

   VIRTUAL   TRADING   FLOOR SYSTEM
Referring to FIG. 1, a **virtual   trading   floor** system 1 00 is coupled
to a trading source 1 1 0 that generates, financial data. In an
embodiment, the **virtual   trading   floor** system 100 comprises a coder
decoder 120, a control interface 130, a data interface 140...

...off-site in respect to the trading source I 1 0. For example, when the
virtual   trading   floor system I 00 is used in the gaining and
training enviromnents discussed ftu-ther herein...wire and fiber optics
that use electrical, electromagnetic, optical or any type of medium and
signal
8
capable of carrying analog and digital data streams. Wireless links may
also be implemented...floor system according to an embodiment of the
invention. Referring to FIG.

8, in the **virtual** reality **trading floor** system, a participant 810 operates and functions on a **virtual** reality **trading floor** 800. The participant 810 represents a trader at computer system 180. In the **virtual** reality **trading floor** system, the **avatar** interface 150 generates full- **motion** graphical metaphors that represent real persons in a cyberspace system. In the **virtual** reality **trading floor** embodiment, the **avatar** interface 150 would be capable of generating 3-dimensional metaphors whose **movements** , actions, size and shape are responsive to and synchronized with an actual trader's **movements** .

In the virtual reality trading floor system, the participant 810 views himself/herself as being...

...be able to interact within a market with opposing traders. The display that comprises the **virtual** reality **trading floor** 800 could be as simple as a monitor, or as complex as a virtual reality...

...a full-blown virtual reality enviromnent that would place the 1 5 participant on the **virtual** reality **trading floor** 800. In the **virtual** reality **trading floor** system, orders would be initiated from the control interface 130, and made by, but not limited to, **gestures** and voice and/or keyboard, keypad or touch pad, and confirmed through the data interface...screen 850, current position screen 860 and/or graphs 870 may comprise part of the **virtual** reality **trading floor** 800 display and may be easily viewed and accessed by the participant 810. An algorithm...

 4/3,K/5   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00794536   **Image available**
THE VIRTUAL TRADING FLOOR FOR TRADING FUNGIBLE, EPHEMERAL COMMODITIES
     INCLUDING ELECTRIC ENERGY
MARCHE VIRTUEL PERMETTANT DE COMMERCIALISER DES MARCHANDISES FONGIBLES, ET
     EPHEMERES, NOTAMMENT DE L'ENERGIE ELECTRIQUE
Patent Applicant/Assignee:
  AUTOMATED POWER EXCHANGE INC, Suite 522, 5201 Great America Parkway,
     Santa Clara, CA 95054, US, US (Residence), US (Nationality)
Inventor(s):
  CAZALET Edward G, 26340 Alexander Place, Los Altos Hills, CA 94022, US,
  TENEV Tichomir, 610 Cree Avenue, San Jose, CA 95123, US,
Legal Representative:
  GLENN Michael (et al) (agent), Glenn Patent Group, 3475 Edison Way, Suite
     L., Menlo Park, CA 94025, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200128063 A1 20010419 (WO 0128063)
  Application: WO 2000US22489 20000816 (PCT/WO US0022489)
  Priority Application: US 99158603 19991008; US 2000564415 20000502
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
  TM TR TT TZ UA UG UZ VN YU ZA
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 22004

Fulltext Availability:
  Detailed Description

Detailed Description
... additional income from the actual purchased amount at the agreed

price.

In certain embodiments, the **virtual trading floor** applies to a power grid containing at least one AC power network, and capacity options ...

...is sometimes known as spinning and non-spinning resources. Spinning resources are often turbine generators **rotating** already at operational speed, and thus can be brought on line in a short time...

?

05748559   **Image available**
METHOD AND DEVICE FOR SIMULATION

PUB. NO.:   10-031659 [JP 10031659 A]
PUBLISHED: February 03, 1998 (19980203)
INVENTOR(s):   NODA TOMOYUKI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   08-184624 [JP 96184624]
FILED: July 15, 1996 (19960715)
INTL CLASS: [6] G06F-017/00 ; G06F-017/13
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &
               Microprocessers); R138 (APPLIED ELECTRONICS -- Vertical
               Magnetic & Photomagnetic Recording)

ABSTRACT
PROBLEM TO BE SOLVED: To reduce the motion error of a rigid body by
calculating the tilt of the rigid body of the next time point from a main
moment of inertia of the rigid body, the moment of force acting on the
rigid body at a certain time point, a matrix corresponding to the tilt of
the rigid body of a certain time point and the time differentiation of the
tilt of the rigid body respectively and simulating repetitively the
calculated tilt of the rigid body.

SOLUTION: A means S4 numerically solves a 2-story ordinary differential
equation to calculate the tilt 14 of a rigid body of the next time point
and the time differentiation 15 of the tilt from the main moment of
inertia, the moment 11 of force of a certain time point, a matrix 12
corresponding to the tilt of the rigid body of a certain time point and the
time differentiation 13 of the tilt of the rigid body respectively. In this
respect, a numerical solution module calculates the numerical solution of
the 2-story ordinary differential equation of the matrix obtained from an
Euler-Lagrange equation set based on the matrix. Thus, the physical **motion**
of the rigid **body** can be **simulated** with reduced consumption of the
internal storage capacity of a **computer** , a short computing time and a
small error.

02211051   **Image available**
INTERRUPTION INFORMATION SAVE DEVICE

PUB. NO.:   62-127951 [JP 62127951 A]
PUBLISHED: June 10, 1987 (19870610)
INVENTOR(s):   KISHI TAKAO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   60-268474 [JP 85268474]
FILED: November 28, 1985 (19851128)
INTL CLASS: [4] G06F-011/28 ; G06F-009/46
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)
JOURNAL: Section: P, Section No. 636, Vol. 11, No. 345, Pg. 138,
               November 12, 1987 (19871112)

ABSTRACT
PURPOSE: To decide the size of a segment of a virtual address space without
being affected by interruption information due to the execution of one
instruction trace by writing the interruption information attended by one
instruction trace in an absolute address space and writing other
interruption information in a virtual address.

CONSTITUTION: The interruption information in executing one instruction trace is saved to an absolute address space not managed by the operating system. That is, an address accessing a memory 5 is stored in a register 3 and whether an absolute address space 6 or a virtual address space 7 is accessed by using said address depends on a D flag 2 and a signal 12 representing the end of the instruction. When a signal representing the end of the instruction is '0', a gate 8 is opened and an address stored in the register 3 is paged by a paging circuit 4 to access the **virtual** access space 7. On the other **hand** , when the **signal** 12 **representing** the end of one instruction is '1' and the D flag 2 is set, a gate 9 is opened and the paging circuit 4 is bypassed and the absolute address 6 is accessed.

8/5/3   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014096350   **Image available**
WPI Acc No: 2001-580564/200165
XRPX Acc No: N01-432338
  Virtual model manipulation for modeling purposes, involves associating views of three-dimensional model with position of screen
Patent Assignee: SOFT TECH NZ LTD (SOFT-N); WILSON J A (WILS-I)
Inventor: WILSON J A
Number of Countries: 094 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200113337	A1	20010222	WO 2000NZ145	A	20000802	200165	B
AU 200063267	A	20010313	AU 200063267	A	20000802	200165	

Priority Applications (No Type Date): NZ 337027 A 19990802
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200113337	A1	E	19	G06T-017/40	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200063267 A   G06T-017/40   Based on patent WO 200113337

Abstract (Basic): WO 200113337 A1
      NOVELTY - A screen (2) is provided, in which different orientation and views of three-dimensional model is displayed. The displayed views are associated with the position of visual display device.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for virtual model manipulation system.
      USE - For modeling purposes in medicine, civil applications and mathematical applications.
      ADVANTAGE - High degree of latency, poor stereoscopic vision due to **VR** helmets are prevented by **virtual model** manipulation. The need for **moving** user's **head** to select a reference point is not required due to **virtual** model manipulation.
      DESCRIPTION OF DRAWING(S) - The figure shows the virtual model manipulation system.
      Screen (2)
      pp; 19 DwgNo 1/1
Title Terms: VIRTUAL; MODEL; MANIPULATE; PURPOSE; ASSOCIATE; VIEW; THREE;
  DIMENSION; MODEL; POSITION; SCREEN
Derwent Class: P36; S05; T01; W02; W04
International Patent Class (Main): G06T-017/40
International Patent Class (Additional): A63F-013/00; **G06F-017/50**
File Segment: EPI; EngPI

8/5/4   (Item 2 from file: 350)

013461421   **Image available**
WPI Acc No: 2000-633364/200061
XRPX Acc No: N00-469383
   Virtual **space movement method in** computer , **involves displaying**
 finger movement **information in** computer **graphics** model **in** virtual
 space in movable manner
Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2000259339 A   20000922 JP 9966041   A   19990312 200061 B

Priority Applications (No Type Date): JP 9966041 A 19990312
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2000259339 A   7 G06F-003/033

Abstract (Basic): JP 2000259339 A
       NOVELTY - The movement of finger in predetermined area on board
    (1A) is converted into computer graphics (CG) model. The ratio of size
    of space area of board to that of virtual space area and ratio of
    patterning velocity of contact elapsed time of board to that of virtual
    space are calculated. The CG model is displayed in virtual space (2) in
    a movable manner using the calculated ratios.
       DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
    virtual space interface apparatus.
       USE - For moving virtual space such as cyber space displayed on
    computer terminal with internet connection for virtual free space
    communication service.
       ADVANTAGE - Enables moving virtual space by intuitive and simple
    operation. Enables controlling pit in virtual space by changing
    velocity of finger movement.
       DESCRIPTION OF DRAWING(S) - The figure shows the virtual space
    interface apparatus.
       Predetermined area (1A)
       Virtual space (2)
       pp; 7 DwgNo 1/4
Title Terms: VIRTUAL; SPACE; MOVEMENT; METHOD; COMPUTER; DISPLAY; FINGER;
  MOVEMENT; INFORMATION; COMPUTER; GRAPHIC; MODEL; VIRTUAL; SPACE; MOVE;
  MANNER
Derwent Class: T01; T04
International Patent Class (Main): **G06F-003/033**
International Patent Class (Additional): **G06F-003/00**
File Segment: EPI

 8/5/5   (Item 3 from file: 350)

012637573   **Image available**
WPI Acc No: 1999-443677/199937
XRPX Acc No: N99-330897
   Computer **generated synthetic talking** head   movement   simulation
   method for visual speech synthesis
Patent Assignee: LUCENT TECHNOLOGIES INC (LUCE)
Inventor: JAYANT N S; ZHONG J
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 5933151   A   19990803 US 97824386   A   19970326 199937 B

Priority Applications (No Type Date): US 97824386 A 19970326
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes

US 5933151 A 7 G06F-015/00

Abstract (Basic): US 5933151 A
    NOVELTY - A uniformly distributed random number is generated. The
state corresponding to the partition into which the random number falls
represents the next position. The synthesized talking head is rotated
to the next position, which remains there for a durational time period.
    DETAILED DESCRIPTION - The generated random number is compared with
a set of transitional probability ranges which are associated with a
particular state. The synthetic talking head is moved from the
orientation of the current state to the orientation of particular state
based on the comparison. The orientation is moved repeatedly till the
talking head continues to simulate speech.
    USE - For simulating natural movement of computer generated
synthesized talking head in visual speech synthesis system.
    ADVANTAGE - The overall quality of visual speech synthesis can be
enhanced and abrupt rotational head movement that can be prevented.
    DESCRIPTION OF DRAWING(S) - The figure show the flow diagram of
talking head rotational movement simulation method.
    pp; 7 DwgNo 2/5
Title Terms: COMPUTER; GENERATE; SYNTHETIC; TALK; HEAD; MOVEMENT; SIMULATE;
  METHOD; VISUAL; SPEECH; SYNTHESIS
Derwent Class: T01
International Patent Class (Main): **G06F-015/00**
File Segment: EPI

8/5/6   **(Item 4 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
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012389391   **Image available**
WPI Acc No: 1999-195498/199917
XRPX Acc No: N99-143768
  Moving body simulation **method using** computer **- involves
simulating moving body as pattern to circular motion, uniform
acceleration rectilinear motion for twice, and again circular motion
sequentially or continuously**
Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11039503	A	19990212	JP 97189469	A	19970715	199917	B

Priority Applications (No Type Date): JP 97189469 A 19970715
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11039503	A		11	G06T-013/00	

Abstract (Basic): JP 11039503 A
    NOVELTY - Two dimensional **virtual** space is generated by a
computer . A moving **body** is **simulated** as a pattern of **moving
body** to the circular **motion** -1, uniform acceleration rectilinear
motion-1, uniform acceleration rectilinear motion-2 and circular
motion-2 sequentially and continuously.
    USE - For **simulating moving body** using **computer** .
    ADVANTAGE - Even if simulator consists of different hardware and
software, it can make moving body to move towards identical position if
time is an identity. DESCRIPTION OF DRAWING(S) - The figure shows
explanatory drawing of physical movement state transition of moving
body.
    Dwg.3/14
Title Terms: MOVE; BODY; SIMULATE; METHOD; COMPUTER; SIMULATE; MOVE; BODY;
  PATTERN; CIRCULAR; MOTION; UNIFORM; ACCELERATE; RECTILINEAR; MOTION;
  TWICE; CIRCULAR; MOTION; SEQUENCE; CONTINUOUS
Derwent Class: T01
International Patent Class (Main): G06T-013/00
International Patent Class (Additional): **G06F-017/00**

File Segment: EPI

8/5/7   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

011753549   **Image available**
WPI Acc No: 1998-170459/199816
Related WPI Acc No: 1997-042455
XRPX Acc No: N98-135409
   Virtual **reality road vehicle** simulator **with** hand   motion
   representation **- has position sensors attached to hand and fixed
   calibration component connected to computer, which generates image of
   hand for virtual reality headset display**
Patent Assignee: CHRYSLER CORP (CHRY)
Inventor: CUMMING H W; SOCKS K P
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 29720443	U1	19980312	DE 97U2020443	U	19971118	199816	B
US 5831584	A	19981103	US 95508728	A	19950728	199851	
			US 96751864	A	19961118		

Priority Applications (No Type Date): US 96751864 A 19961118; US 95508728 A
   19950728
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 29720443	U1		5	G06F-017/50	
US 5831584	A			G09G-005/00	CIP of application US 95508728
					CIP of patent US 5583526

Abstract (Basic): DE 29720443 U
       The road vehicle driving simulator is designed as a virtual reality
   system in which an individual sits in a normal driving position in a
   cabin fitted with the normal controls [20,24,42,70]. The position of
   the hands of the driver are detected by magnetic sensors worn on the
   back of the hand.
       This provides inputs to a controller [40] and a processor [46].
   Virtual images representing the simulated environment with hand
   position are fed to the display built into the head set.
       USE - Virtual reality road vehicle driving simulator.
       ADVANTAGE - Allows hand actions to be included.
       Dwg.1/5
Title Terms: VIRTUAL; ROAD; VEHICLE; SIMULATE; HAND; MOTION; REPRESENT;
  POSITION; SENSE; ATTACH; HAND; FIX; CALIBRATE; COMPONENT; CONNECT;
  COMPUTER; GENERATE; IMAGE; HAND; VIRTUAL; HEADPHONE; DISPLAY
Derwent Class: P85; T01
International Patent Class (Main): **G06F-017/50** ; G09G-005/00
File Segment: EPI; EngPI

8/5/8   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011342059   **Image available**
WPI Acc No: 1997-319964/199729
XRPX Acc No: N97-264833
   **Virtual body modelling apparatus for representation of body in virtual
   environment - includes processor calling sequence data stored in data
   store to modify generated body representation to follow sequence of
   motions on detecting one or more predetermined signals from user motion
   detector**
Patent Assignee: PHILIPS ELECTRONICS NV (PHIG); PHILIPS NORDEN AB (PHIG
   ); US PHILIPS CORP (PHIG)
Inventor: GALLERY R D
Number of Countries: 019 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9721166	A1	19970612	WO 96IB1225	A	19961114	199729	B
EP 808484	A1	19971126	EP 96935259	A	19961114	199801	
			WO 96IB1225	A	19961114		
JP 11500249	W	19990106	WO 96IB1225	A	19961114	199911	
			JP 97521102	A	19961114		
US 6285379	B1	20010904	US 96764701	A	19961204	200154	

Priority Applications (No Type Date): GB 9525047 A 19951207
Cited Patents: EP 545684; US 5255211; US 5389865; WO 9508793
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
WO 9721166   A1 E   19 G06F-003/00
    Designated States (National): JP
    Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC
    NL PT SE
EP 808484   A1 E   G06F-003/00   Based on patent WO 9721166
    Designated States (Regional): DE FR GB
JP 11500249   W   20 G06F-003/033 Based on patent WO 9721166
US 6285379   B1   G06T-015/00

Abstract (Basic): WO 9721166 A
        The virtual body modelling apparatus includes a data store (30)
    holding data defining the **virtual** environment, a second store (32)
    holding data relating to features of the **virtual   body**
    representation , and a user **motion** detector. A processor (24)
    generates a representation of the **virtual** environment based on the
    first store data to generate the body representation within the virtual
    environment based on second store data.
        The processor periodically modifies the generated body
    representation in response to signals from the user motion detector.
    The second data store holds data defining one sequence of body motions,
    and the processor calls the sequence data to modify the generated body
    representation to follow the sequence of motions on the detection of
    one or more predetermined signals from the user motion detector.
        ADVANTAGE - System is simple to implement whilst providing
    acceptable or better levels of realism. Provides feedback from
    environment to user.
        Dwg.2/4
Title Terms: VIRTUAL; BODY; MODEL; APPARATUS; REPRESENT; BODY; VIRTUAL;
    ENVIRONMENT; PROCESSOR; CALL; SEQUENCE; DATA; STORAGE; DATA; STORAGE;
    MODIFIED; GENERATE; BODY; REPRESENT; FOLLOW; SEQUENCE; MOTION; DETECT;
    ONE; MORE; PREDETERMINED; SIGNAL; USER; MOTION; DETECT
Derwent Class: T01
International Patent Class (Main): **G06F-003/00 ; G06F-003/033 ;**
    G06T-015/00
File Segment: EPI

 8/5/9   (Item 7 from file: 350)

010713018   **Image available**
WPI Acc No: 1996-209973/199621
Related WPI Acc No: 1993-396867; 1995-035707; 1995-265021; 1996-105289;
    1996-139099; 1996-370699; 1997-289442; 1997-489821; 1999-094337;
    1999-428569; 1999-517427; 2001-578516
XRPX Acc No: N96-175656
    **Two-dimensional touch sensitive device for computer input - uses
    individual units of capacitive tablet to analyse received motion signals
    to detect various types of motion e.g. multiple finger gestures, hopping
    gesture and dragging gesture**
Patent Assignee: SYNAPTICS INC (SYNA-N)
Inventor: ALLEN T P; GILLESPIE D; WOLF R
Number of Countries: 066 Number of Patents: 004
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week

```
WO 9611435    A1  19960418  WO 95US13306  A  19951006  199621  B
AU 9540019    A   19960502  AU 9540019    A  19951006  199632
US 5543591    A   19960806  US 92895934   A  19920608  199637
                           US 93115743   A  19930831
                           US 94300387   A  19940902
                           US 94320158   A  19941007
EP 870223     A1  19981014  EP 95938766   A  19951006  199845
                           WO 95US13306  A  19951006
```

Priority Applications (No Type Date): US 94320158 A 19941007; US 92895934 A
   19920608; US 93115743 A 19930831; US 94300387 A 19940902
Cited Patents: 02Jnl.Ref; EP 490001; GB 2266038; US 4914624
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9611435   A1 E 151 G06F-003/033
   Designated States (National): AL AM AT AU BB BG BR BY CA CH CN CZ DE DK
   EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MW MX
   NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA UG US UZ VN
   Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC
   MW NL OA PT SD SE SZ UG
AU 9540019   A   G06F-003/033 Based on patent WO 9611435
US 5543591   A   51 G08C-021/00   CIP of application US 92895934
                                     CIP of application US 93115743
                                     CIP of application US 94300387
                                     CIP of patent US 5734787
EP 870223   A1 E   G06F-003/033 Based on patent WO 9611435
   Designated States (Regional): DE FR GB

Abstract (Basic): WO 9611435 A
      Tapping, pushing, hopping and zigzag gestures are recognised by
   analysing the position, pressure and movement of the conductive object
   on the sensor pad during the time of application. Individual tap (280),
   zigzag (282) and push (284) units are used to identify the particular
   type of gesture. The outputs of the units are combined in a button
   control unit (286) to produce the actual button press signals sent to
   the host.
      Signals are sent to a host indicating the occurrence of a detected
   gesture. Signals for compensating for unintended motion of the
   conductive object on the touch sensitive pad during the gestures are
   also sent to the host.
      USE/ADVANTAGE - Cursor movement control in **computers** . Robust
   mounting. Simple and non-tiring for user. Compensates for unintended
   motion of e.g. **finger** during expression of **gesture** . For
   simulation of secondary button clicks.
      Dwg.14/21
Title Terms: TWO-DIMENSIONAL; TOUCH; SENSITIVE; DEVICE; COMPUTER; INPUT;
   INDIVIDUAL; UNIT; CAPACITANCE; TABLET; ANALYSE; RECEIVE; MOTION; SIGNAL;
   DETECT; VARIOUS; TYPE; MOTION; MULTIPLE; FINGER; HOP; DRAG
Derwent Class: T01; T04; U21
International Patent Class (Main): **G06F-003/033** ; G08C-021/00
File Segment: EPI

 8/5/10   (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010642364   **Image available**
WPI Acc No: 1996-139318/199614
Related WPI Acc No: 1994-006243; 1996-187294
XRPX Acc No: N96-116759
   **Computer-aided clothes designing system - receives data describing fabric
   characteristics, e.g. weave pattern, friction, average fibres per strand,
   strand wear characteristics, and elasticity, fabric colours and patterns,
   and personal characteristics e.g. dimensions and complexion**
Patent Assignee: BEAVIN W C (BEAV-I)
Inventor: BEAVIN W C
Number of Countries: 001 Number of Patents: 001
Patent Family:

```
Patent No      Kind   Date     Applicat No    Kind   Date     Week
US 5495568     A    19960227   US 90550343    A    19900709  199614  B
                               US 91801914    A    19911203
                               US 93175780    A    19931227
```

Priority Applications (No Type Date): US 93175780 A 19931227; US 90550343 A
   19900709; US 91801914 A 19911203
Patent Details:
```
Patent No  Kind Lan Pg   Main IPC    Filing Notes
US 5495568   A      11 G06F-017/50   CIP of application US 90550343
                                     CIP of application US 91801914
                                     CIP of patent US 5273038
```

Abstract (Basic): US 5495568 A
     Digitised photographs of an individual are mapped over a
   three-dimensional image tailored to that individual's dimensions.
   Garment models are placed over the three-dimensional images, which
   reflect the input fabric characteristics and colour patterns. The fit
   is tailored to match the three-dimensional model, and shown graphically
   on the computer display device.
     The three-dimensional **model** moves as the individual would **move** ,
   such as raising the **arms** , bending, walking, or running. **Motion**
   inputs may come from prerecorded manoeuvre data, or user input through
   such means as **computer** keyboard, mouse, joystick, or other
   interaction devices such as body position sensors worn by the user to
   accurately input individual range of motion data. Friction between the
   individual and the fabric is monitored, as well as between areas of
   fabric rubbing on fabric, and shown graphically as a hot spot. User
   interaction to adjust the garment dimensions can be applied to adjust
   for the binding. The fabric model is affected by the motion through
   stretching and friction. Fabric conditions, such as temperature,
   moisture content, foreign objects, and fabric defects can be modified,
   and the fabric model indicating that fabric's response may be observed
   as the three dimensional model moves through normal ranges of motion.
   Fabric characteristics such as colour and pattern may be modified
   dynamically, so that the user may observe different garments. The three
   dimensional model can be made to move in slow motion, real-time, or
   faster than real-time to observe results. After the user is satisfied
   with the garment design, it is stored in computer memory, and can be
   presented in the form of a printed pattern to be placed over the chosen
   fabric and assembled into an actual garment, or a set of control
   outputs to an automated cutting machine may directly control cutting
   the garment's required pieces of fabric to construct the accurately
   tailored garment.
     ADVANTAGE - graphically displays effects of garment wear. Enables
   operator to mainpulate fabric charateristics, three-dimensioanl model
   and garment configurations.
     Dwg.1/6
Title Terms: COMPUTER; AID; CLOTHING; DESIGN; SYSTEM; RECEIVE; DATA;
   DESCRIBE; FABRIC; CHARACTERISTIC; WEAVE; PATTERN; FRICTION; AVERAGE;
   FIBRE; PER; STRAND; STRAND; WEAR; CHARACTERISTIC; ELASTIC; FABRIC; COLOUR
   ; PATTERN; PERSON; CHARACTERISTIC; DIMENSION; COMPLEXION
Derwent Class: T01
International Patent Class (Main): **G06F-017/50**
File Segment: EPI

 8/5/11   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010609125   **Image available**
WPI Acc No: 1996-106078/199611
XRPX Acc No: N96-088821
   **Virtual reality and remote reality system with dynamic feeling control -
   links computer-generated or camera image with wave resistance of
   electroviscous fluid in mechanical sensing device**
Patent Assignee: ASAHI KASEI KOGYO KK (ASAH)

Inventor: FURUSHO J; INOUE A; SANO A
Number of Countries: 009   Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9602887	A1	19960201	WO 95JP1426	A	19950718	199611	B
JP 8504893	X	19970325	WO 95JP1426	A	19950718	199722	
			JP 96504893	A	19950718		
EP 775961	A1	19970528	EP 95925143	A	19950718	199726	
			WO 95JP1426	A	19950718		
KR 97705095	A	19970906	WO 95JP1426	A	19950718	199839	
			KR 97700351	A	19970118		
EP 775961	A4	19971022	EP 95925143	A	19950718	199840	
RU 2131621	C1	19990610	WO 95JP1426	A	19950718	200027	
			RU 97102354	A	19950718		
KR 222628	B1	19991001	WO 95JP1426	A	19950718	200108	
			KR 97700351	A	19970118		
CN 1156513	A	19970806	CN 95194777	A	19950718	200138	
EP 775961	B1	20011017	EP 95925143	A	19950718	200169	
			WO 95JP1426	A	19950718		
US 6310604	B1	20011030	WO 95JP1426	A	19950718	200172	
			US 97776054	A	19970117		
DE 69523323	E	20011122	DE 623323	A	19950718	200201	
			EP 95925143	A	19950718		
			WO 95JP1426	A	19950718		

Priority Applications (No Type Date): JP 94166791 A 19940719
Cited Patents: 3.Jnl.Ref; JP 5333171; JP 6274226; DE 4332580; GB 2263179;
  GB 2265746
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9602887   A1 J 49 G06F-017/00
    Designated States (National): CA CN JP KR RU US
    Designated States (Regional): DE FR IT
JP 8504893   X   Based on patent WO 9602887
EP 775961   A1 E 29   Based on patent WO 9602887
    Designated States (Regional): DE FR IT
KR 97705095   A   Based on patent WO 9602887
RU 2131621   C1   G06F-017/60 Based on patent WO 9602887
KR 222628   B1   G06F-017/00
CN 1156513   A   G06F-017/00
EP 775961   B1 E   G06F-017/00 Based on patent WO 9602887
    Designated States (Regional): DE FR IT
US 6310604   B1   G09G-005/00 Based on patent WO 9602887
DE 69523323   E   G06F-017/00 Based on patent EP 775961
                                      Based on patent WO 9602887

Abstract (Basic): WO 9602887 A
      The virtual reality system provides representation of realistic
  dynamic feeling using variations in the wave resistance of an
  electroviscous liquid brought about by changes to the strength of the
  applied electric field.
      Signals   representing   hand   movement etc. are sent to the
  controlling **computer** from a sensing device eg. a data glove
  comprising a glove which operates a number of pistons acting on the
  electroviscous fluid. The computer links the wave resistance of the
  sensing device with a computer-generated image or an image from a
  remote camera, and controls the liquid viscosity, to give real time
  interaction between display and mechanical forces.
      USE/ADVANTAGE - For virtual reality entertainment of training
  systems, remote control in dangerous environment, medical use etc.
  Allows real time control of dynamic feeling.
      Dwg.1/20
Title Terms: VIRTUAL; REMOTE; SYSTEM; DYNAMIC; FEEL; CONTROL; LINK;
  COMPUTER; GENERATE; CAMERA; IMAGE; WAVE; RESISTANCE; FLUID; MECHANICAL;
  SENSE; DEVICE
Derwent Class: P62; P85; T01; T04
International Patent Class (Main): **G06F-017/00 ; G06F-017/60 ;**
  G09G-005/00

International Patent Class (Additional): B25J-009/16; **G06F-003/00**
File Segment: EPI; EngPI

 8/5/12   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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009923604   **Image available**
WPI Acc No: 1994-191315/199423
XRPX Acc No: N94-150565
  **Interactive aircraft training system - presents 3-D image to individual
  through head mounted display based on head position and orientation,
  orientation and movement of hand in tactile glove data reflecting changes
  in environment**
Patent Assignee: HUGHES TRAINING INC (HUGA)
Inventor: BAUM D R
Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5320538	A	19940614	US 92950114	A	19920923	199423	B
TW 226049	A	19940701	TW 93107813	A	19930922	199430	
KR 9705193	B1	19970414	KR 9319248	A	19930922	199938	

Priority Applications (No Type Date): US 92950114 A 19920923
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5320538	A		9	G09B-005/00	
TW 226049	A			G06F-015/50	
KR 9705193	B1			G09B-005/00	

Abstract (Basic): US 5320538 A
    The system includes a computer (20), and a head orientation and
  movement detector (40) of an individual (51). A pair of tactile gloves
  (42,44) receives a hand of the individual and detects and transmits to
  the **computer** as input data **representing** orientation and **movements**
  of the **hand** of the individual. A head mounted display (31) displays a
  stereoscopic **computer** -generated image of a training environment to
  the individual. An subsystem enables the computer to generate a
  stereoscopic image of the training environment.
    A tactile object (43) grasped by an individual detects and
  transmits to the computer as input data orientation of, movements of,
  and manipulation of the object. The image of the training environment
  is displayed and changed by the computer relative to the input data
  received by the computer relating to orientation of, movement of, and
  manipulation of the object.
    ADVANTAGE - More visually realistic representation of environment.
  Simulator may be disassembled and reassembled in new location. Less
  space required.
    Dwg.1/5
Title Terms: INTERACT; AIRCRAFT; TRAINING; SYSTEM; PRESENT; IMAGE;
  INDIVIDUAL; THROUGH; HEAD; MOUNT; DISPLAY; BASED; HEAD; POSITION; ORIENT;
  ORIENT; MOVEMENT; HAND; TACTILE; GLOVE; DATA; REFLECT; CHANGE;
  ENVIRONMENT
Derwent Class: P85; S05; W02; W06
International Patent Class (Main): **G06F-015/50** ; G09B-005/00
International Patent Class (Additional): **G06F-015/62**
File Segment: EPI; EngPI

 8/5/13   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

009271941   **Image available**
WPI Acc No: 1992-399352/199249
Related WPI Acc No: 1992-065346; 1992-300511; 1992-300512; 1992-300513;
  1992-300514; 1992-300515

**Human body computer animation developing method - using dynamics which
enables animator to design motions in interactive manner based on actual
motions of body without requiring trial and error or intuition of
animator**
Patent Assignee: SHUKYOHOJIN KONGO ZEN SOHONZAN (SHUK-N); SHUKYOHOJIN KONGO
ZEN SOHONZAN SHORINJI (SHUK-N); SHUKYO HOJIN KONGOZEN SOHONZAN SHORINJI
(SHUK-N); SHUKYOHOJI KONGO ZEN SOHOZAN SHORIJI (SHUK-N)
Inventor: KUNII T; SUN L
Number of Countries: 010   Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2043902	A	19920626	CA 2043902	A	19910605	199249	B
EP 520099	A1	19921230	EP 91305681	A	19910624	199301	N
CN 1067517	A	19921230	CN 91103807	A	19910601	199336	N
JP 8329272	A	19961213	JP 90418252	A	19901225	199709	
			JP 95354839	A	19901225		
US 5623428	A	19970422	US 91714307	A	19910612	199722	
			US 94178217	A	19940106		

Priority Applications (No Type Date): JP 90418252 A 19901225; EP 91305681 A
19910624; CN 91103807 A 19910601; JP 95354839 A 19901225
Cited Patents: 03Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2043902	A		19	G06F-015/20	
EP 520099	A1	E	26	G06F-015/72	

Designated States (Regional): CH DE FR GB LI NL

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8329272	A		6	G06T-013/00	Div ex application JP 90418252
US 5623428	A		12	G06F-017/00	CIP of application US 91714307
CN 1067517	A			G06F-015/20	

Abstract (Basic): CA 2043902 A
     A moving body is divided into a number of segments connected by
joints, each of the segments acting as a minimal unit of motion. A
model is constructed on the basis of constraints including the inherent
feature of each segment, the articulation of the body, and the range of
the movement of each joint. The model is inputted into a database and
the actual motions of the body are applied to the model. The resulting
motions of the model are calculated using inverse dynamics. The centre
of gravity of each segment, the force and torque exerted on each joint,
the centre of gravity of the whole body, and the force and torque on
the centre of gravity of the whole body are also calculated.
     A number of basic motions are chosen from the database and there
physical parameters modified. The motions of each segment when forces
corresp. to the basic motions are applied to the segments, are
calculated using dynamics while neglecting constraints on the
articulation of the moving body and the range of movements of the
joints. The constraints are checked and modified. The resulting motions
of the model are displayed on a screen.
     ADVANTAGE - Generates realistic **3 - D modelling** picture.
     Represents all **motions** of human or animal **body** .
     Dwg.1/4
Title Terms: HUMAN; BODY; COMPUTER; ANIMATED; DEVELOP; METHOD; DYNAMIC;
ENABLE; DESIGN; MOTION; INTERACT; MANNER; BASED; ACTUAL; MOTION; BODY;
REQUIRE; TRIAL; ERROR
Derwent Class: P14; P36; P85; S02; S05; T01; W04
International Patent Class (Main): **G06F-015/20 ;   G06F-015/72 ;**
G06F-017/00 ; G06T-013/00
File Segment: EPI; EngPI

8/5/14   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008784187   **Image available**
WPI Acc No: 1991-288204/199139

Related WPI Acc No: 1989-241599; 1994-316311; 1996-159867
XRPX Acc No: N91-220571
   **Real-time take off and landing performance monitoring system - uses
   inputs of ambient conditions and airplane configuration data in
   pre-takeoff segment to generate scheduled performance data**
Patent Assignee: NAT AERO & SPACE ADMIN (USAS)
Inventor: MIDDLETON D B; PERSON L H; SRIVATSAN R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5047942	A	19910910	US 88192562	A	19880511	199139	B

Priority Applications (No Type Date): US 88192562 A 19880511; US 8782766 A
   19870806

Abstract (Basic): US 5047942 A
       The landing performance monitoring system has a transducer for
   continuously sensing ambient conditions and airplane loading and
   acceleration information and generating representative information
   signals. A computer responds to the information signals for generating
   an acceleration history curve and predicting future airplane
   performance from and during take-off and landing based on the
   acceleration history curve and the information signals.
       A **head** -up display responds to **signals** from the **computer** for
   depicting the position of the airplane on the runway and for depicting
   the predicted location on the runway where the airplane will achieve
   any particular speed. (27pp Dwg.No.1/10)
Title Terms: REAL-TIME; LANDING; PERFORMANCE; MONITOR; SYSTEM; INPUT;
   AMBIENT; CONDITION; CONFIGURATION; DATA; PRE; SEGMENT; GENERATE; SCHEDULE
   ; PERFORMANCE; DATA
Derwent Class: T01; W06
International Patent Class (Additional): **G06F-015/50**
File Segment: EPI

 8/5/15   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008748822   **Image available**
WPI Acc No: 1991-252840/199134
Related WPI Acc No: 1997-288793; 2000-429828; 2002-048834
XRPX Acc No: N91-192688
   **Control system for force feedback - controls set force to part of body
   and provides data to computer for simulating graphics in virtual
   environment**
Patent Assignee: KRAMER J F (KRAM-I); VIRTUAL TECHNOLOGIES INC (VIRT-N)
Inventor: KRAMER J F
Number of Countries: 019 Number of Patents: 011
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9111775	A	19910808				199134	B
AU 9173199	A	19910821				199147	
EP 513199	A1	19921119	EP 91904451	A	19910130	199247	
			WO 91US632	A	19910130		
US 5184319	A	19930202	US 90474168	A	19900202	199308	
JP 5506736	W	19930930	JP 91504884	A	19910130	199344	
			WO 91US632	A	19910130		
AU 9457523	A	19940428	AU 9457523	A	19940303	199422	
			AU 9173199	A			
AU 649655	B	19940602	AU 9173199	A	19910130	199427	
EP 513199	A4	19930107	EP 91904451	A		199524	
AU 671705	B	19960905	AU 9173199	A	19910130	199647	
			AU 9457523	A	19940303		
KR 252706	B1	20000415	KR 92701851	A	19920803	200124	
CA 2075178	C	20010724	CA 2075178	A	19910130	200147	
			WO 91US632	A	19910130		

Abstract (Basic): WO 9111775 A
      The interface consists of a force actuating device that produces a
   force which is transmitted to a force applying device. The force
   applying device applies the generated force to a pressure sensing body
   part. A force transducer on the force applying device measures the
   actual force applied to the pressure sensing body part, while angular
   sensors measure the angles of relevant joint body parts.
      A computing device such as a microprocessor uses the joint body
   part positional information to determine a desired force value to be
   applied to pressure sensing body part. The computing device combines
   the joint body part positional information with the force sensor
   information to calculate the desired force which is sent to the force
   actuating device DC servo-motor. In this way, the computing device may
   control the actual force applied to a pressure sensing body part to a
   set desired force which depends on the positions of related joint body
   parts. The man-machine interface also comprises a displacement
   actuating device which produces a displacement transmitted to a
   displacement applying device such as a texture simulator. The
   displacement applying device applies the generated displacement to a
   pressure sensing body part.
      USE/ADVANTAGE - **Virtual** environments and **computer** graphics
   simulation of man-machine interaction on **body** parts **movements** .
   Texture feedback system determines force set point by using a **computer**
    knowledge of environment, object shapes and positions. (75pp
   Dwg.No.9/19)
Title Terms: CONTROL; SYSTEM; FORCE; FEEDBACK; CONTROL; SET; FORCE; PART;
   BODY; DATA; COMPUTER; SIMULATE; GRAPHIC; VIRTUAL; ENVIRONMENT
Derwent Class: P62; T01; T02
International Patent Class (Main): B25J-003/00; **G06F-003/03** ;
   G06F-003/033 ; G06G-007/48
International Patent Class (Additional): G01L-005/00; **G06F-003/00** ;
   G06F-003/02 ; **G06F-003/05**
File Segment: EPI; EngPI

 8/5/16   (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007331664
WPI Acc No: 1987-328671/198747
XRPX Acc No: N87-245996
   Movement simulation system for human model - uses computer **program to
   update stored coordinates for each** body **vol. to** simulate   motion **of
   graphic display**
Patent Assignee: GIT ING TECH GMBH (GITI-N)
Inventor: ELIAS H; LUX C; WETJEN A
Number of Countries: 010 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 246340	A	19871125	EP 86106774	A	19860517	198747 B

Priority Applications (No Type Date): EP 86106774 A 19860517
Cited Patents: 4.Jnl.Ref
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 246340	A	G	7		

    Designated States (Regional): AT BE CH FR GB IT LI LU NL SE

Abstract (Basic): EP 246340 A

    The movement simulation system uses a computer animation with the individual parts of the body provided by relatively movable volumes, each defined by a group of stored coordinate points, which define both its surface and its internal vol. The stored spatial coordinates for each volume are updated by the computer motion simulation programme, to allow simulated movement of the different parts of the body relative to one another and to external objects.

    The plasisibility of the simulation is maintained by controlling the updating of the different spatial coordinates, to ensure that an uninterrupted body surface is represented between the adjacent volumes. The extreme values may be defined in terms of the body anatomy for a defined group of people.

    USE - For computer-aided design.

    1/7

Title Terms: MOVEMENT; SIMULATE; SYSTEM; HUMAN; MODEL; COMPUTER; PROGRAM; UPDATE; STORAGE; COORDINATE; BODY; VOLUME; SIMULATE; MOTION; GRAPHIC; DISPLAY
Derwent Class: P85; T01
International Patent Class (Additional): **G06F-015/72** ; G09B-023/28
File Segment: EPI; EngPI

 8/5/17   **(Item 15 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

003917383
WPI Acc No: 1984-062927/198410
XRPX Acc No: N84-047599
  Mark detector for ballot paper using digital computer - reads correctly regardless of paper orientation and of sensitivity variations of light emitting and light reading components of reading head
Patent Assignee: COMPUTER ELECTION SYSTEMS (COMP-N)
Inventor: FOGG M; KRIEGER C F; VEALE J R
Number of Countries: 014 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8400832	A	19840301	WO 83US1224	A	19830810	198410 B
EP 115536	A	19840815	EP 83902846	A	19830810	198433
US 4479194	A	19841023	US 82406920	A	19820810	198445

Priority Applications (No Type Date): US 82406920 A 19820810
Cited Patents: 1.Jnl.Ref; US 3530010; US 3582660; US 3673389; US 3983364; US 4021780
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 8400832	A	E	195		

    Designated States (National): BR JP SU
    Designated States (Regional): AT BE CH DE FR GB LU NL SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 115536	A	E			

    Designated States (Regional): AT BE CH DE FR GB LI LU NL SE

Abstract (Basic): US 4479194 A

    A microprocessor based mark-sense ballot card reading system has automatic mark detection threshold adjustment,
      automatic skew and card speed correction, and provision for

simultaneous, accurate reading of both sides of a ballot card regardless of card input orientation.

A multidispatch, miltipage real time control program is utilized to enable multiple event detection on each card side and asynchronous processing of such multiple events on a two-sided card.

Positive document sensing and control are monitored by the microprocessor control system.

A folded card path card transport mechanism with diverter stations operates under microprocessor control to determine card destination.
(75pp)

Title Terms: MARK; DETECT; BALLOT; PAPER; DIGITAL; COMPUTER; READ; CORRECT; PAPER; ORIENT; SENSITIVE; VARIATION; LIGHT; EMIT; LIGHT; READ; COMPONENT; READ; HEAD

Derwent Class: T01

International Patent Class (Additional): **G06F-007/06** ; G06K-003/00; G07C-013/00

File Segment: EPI

00916541
VIRTUAL ENVIRONMENT INTERACTION AND NAVIGATION DEVICE
VORRICHTUNG ZUR INTERAKTION UND NAVIGATION IN EINER VIRTUELLEN UMGEBUNG
DISPOSITIF D'INTERACTION ET DE NAVIGATION DANS UN ENVIRONNEMENT VIRTUEL
PATENT ASSIGNEE:
  Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621
    BA Eindhoven, (NL), (Proprietor designated states: all)
INVENTOR:
  GALLERY, Richard, David, Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
  SHAH, Jain, Kumar, Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
  HERON, Dale, Robert, Prof. Holstlaan 6, NL-5656 AA Eindhoven, (NL)
LEGAL REPRESENTATIVE:
  White, Andrew Gordon (73162), Philips Electronics UK Limited, Patents and
    Trade Marks Department, Cross Oak Lane, Redhill, Surrey RH1 5HA, (GB)
PATENT (CC, No, Kind, Date): EP 846286 A1 980610 (Basic)
                              EP 846286 B1 020220
                              WO 9750029 971231
APPLICATION (CC, No, Date):   EP 97915632 970416; WO 97IB410 970416
PRIORITY (CC, No, Date): GB 9613315 960625
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-003/00**
NOTE:
  No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200208	453
CLAIMS B	(German)	200208	463
CLAIMS B	(French)	200208	549
SPEC B	(English)	200208	1829
Total word count - document A			0
Total word count - document B			3294
Total word count - documents A + B			3294

INTERNATIONAL PATENT CLASS: **G06F-003/00**

...SPECIFICATION physical movements or user inputs may be used as a
  trigger, with a generated or **modelled** sequence of **virtual body**
  motions being initiated - regardless of what motions the user may make
  whilst

00551296
Graphical method of inputting time values.
Graphisches Verfahren zur Eingabe von Zeitwerten.
Methode graphique d'introduction de valeurs temporelles.
PATENT ASSIGNEE:
  International Business Machines Corporation, (200120), Old Orchard Road,
    Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
  Fleming, Steve S., 3633 Herschell Avenue, Dallas, TX 75219, (US)
LEGAL REPRESENTATIVE:
  de Pena, Alain (15151), Compagnie IBM France Departement de Propriete
    Intellectuelle, F-06610 La Gaude, (FR)
PATENT (CC, No, Kind, Date): EP 511929 A1 921104 (Basic)
APPLICATION (CC, No, Date):   EP 92480050 920327;
PRIORITY (CC, No, Date): US 693741 910430
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-003/023**
ABSTRACT WORD COUNT: 58

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	452
SPEC A	(English)	EPABF1	2841
Total word count - document A			3293
Total word count - document B			0
Total word count - documents A + B			3293

INTERNATIONAL PATENT CLASS: **G06F-003/023**

...CLAIMS of a time value, which comprises the steps of:
    a) displaying on the screen a **graphical** representation of an **analog**
      clock including at least one **hand** ;
    b) **moving** said **hand** by user action to indicate a selected time;
    and,
    c) automatically updating the time value...

8/3,K/3   (Item 3 from file: 348)

00484965
Motion analyzing method.
Bewegungsanalyseverfahren.
Methode d'analyse du mouvement.
PATENT ASSIGNEE:
  SHUKYOHOJIN, KONGO ZEN SOHONZAN SHORINJI, (1384860), 1-48, Hondori
    3-chome, Tadotsucho, Nakatado-gun, Kagawa-ken, (JP), (applicant
    designated states: CH;DE;FR;GB;LI;NL)
INVENTOR:
  Kunii,Tosiyasu, 25-21-602,Hongo-1-1chome, Bunkyo-ku Tokyo, (JP)
  Sun,Lining, 602,1-22-13 Miyamoto Funabashi, Chiba, (JP)
LEGAL REPRESENTATIVE:
  Stoner, Gerard Patrick et al (59901), Mewburn Ellis 2 Cursitor Street,
    London EC4A 1BQ, (GB)
PATENT (CC, No, Kind, Date): EP 520098 A1 921230 (Basic)
APPLICATION (CC, No, Date):   EP 91305670 910624;
PRIORITY (CC, No, Date): EP 91305670 910624
DESIGNATED STATES: CH; DE; FR; GB; LI; NL
INTERNATIONAL PATENT CLASS: **G06F-015/72**
ABSTRACT WORD COUNT: 99
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	156
SPEC A	(English)	EPABF1	1378
Total word count - document A			1534
Total word count - document B			0
Total word count - documents A + B			1534

INTERNATIONAL PATENT CLASS: **G06F-015/72**

...SPECIFICATION depends on the subject of analysis. Unfortunately,
  kinematic analysis can only generate a line picture **representing** the
  parts constituting the **moving body** , and a three-dimensional **model**
  of the **moving body** cannot be displayed realistically. Accordingly, it
  is difficult to understand the display.
    Furthermore, while **computer** analysis of motions preferably utilizes
  a method having real time response, conventional methods have no...

8/3,K/4   (Item 4 from file: 348)

00306058
Digital data processing system.
Digitales Datenverarbeitungssystem.
Systeme de traitement de donnees numeriques.
PATENT ASSIGNEE:
 DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581
 , (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)
INVENTOR:
 Bachman, Brett L., 214 W. Canton Street Suite 4, Boston Massachusetts
 02116, (US)
 Bernstein, David H., 41 Bay Colony Drive, Ashland Massachusetts 01721,
 (US)
 Bratt, Richard Glenn, 9 Brook Trail Road, Wayland Massachusetts 01778,
 (US)
 Clancy, Gerald F., 13069 Jaccaranda Center, Saratoga California 95070,
 (US)
 Gavrin, Edward S., Beaver Pond Road RFD 4, Lincoln Massachusetts 01773,
 (US)
 Gruner, Ronald Hans, 112 Dublin Wood Drive, Cary North Carolina 27514,
 (US)
 Jones, Thomas M. Jones, 300 Reade Road, Chapel Hill North Carolina 27514,
 (US)
 Katz, Lawrence H., 10943 S. Forest Ridge Road, Oregon City Oregon 97045,
 (US)
 Mundie, Craig James, 136 Castlewood Drive, Cary North Carolina, (US)
 Pilat, John F., 1308 Ravenhurst Drive, Raleigh North Carolina 27609, (US)
 Richmond, Michael S., Fearringtn Post Box 51, Pittsboro North Carolina
 27312, (US)
 Schleimer Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514,
 (US)
 Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,
 (US)
 Wallach, Walter, A., Jr., 1336 Medfield Road, Raleigh North Carolina
 27607, (US)
LEGAL REPRESENTATIVE:
 Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,
 London WC1X 8PL, (GB)
PATENT (CC, No, Kind, Date):   EP 290111 A2 881109 (Basic)
                               EP 290111 A3 890503
                               EP 290111 B1 931222
APPLICATION (CC, No, Date):   EP 88200917 820521;
PRIORITY (CC, No, Date): US 266404 810522
DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE
RELATED PARENT NUMBER(S) - PN (AN):
 EP 67556 (EP 823025960)
INTERNATIONAL PATENT CLASS: **G06F-009/30**
ABSTRACT WORD COUNT: 123

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language   Update   Word Count
     CLAIMS B (English)   EPBBF1   1044
     CLAIMS B (German)   EPBBF1   890
     CLAIMS B (French)   EPBBF1   1185
     SPEC B   (English)   EPBBF1   154314
Total word count - document A   0
Total word count - document B   157433
Total word count - documents A + B 157433

INTERNATIONAL PATENT CLASS: **G06F-009/30**

...SPECIFICATION 10128 and IOM Bus 10130. Information stored in IOS 10116
 is then transferred to ED **10124** through I/O Bus 10126.
     During execution of a user's program, certain information required...

8/3,K/5   (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00286567
System and method for using a floppy disk controller for various types of floppy disk drives.
System und Verfahren zur mehrfachen Ausnutzung eines Floppy-disk Kontrollers fur verschiedene Floppy-disk gerate.
Systeme et methode pour utiliser une commande de disque sauple pour divers types d'appareils a disque sauple.
PATENT ASSIGNEE:
  KABUSHIKI KAISHA TOSHIBA, (213130), 72, Horikawa-cho Saiwai-ku,
    Kawasaki-shi Kanagawa-ken 210, (JP), (applicant designated states:
    DE;FR;GB;IT;NL)
INVENTOR:
  Okamura, Hiroshi c/o Patent Division, Kabushiki Kaisha Toshiba 1-1
    Shibaura 1-chome, Minato-ku Tokyo 105, (JP)
LEGAL REPRESENTATIVE:
  Henkel, Feiler, Hanzel & Partner (100401), Mohlstrasse 37, D-81675
    Munchen, (DE)
PATENT (CC, No, Kind, Date):   EP 280326 A2 880831 (Basic)
                               EP 280326 A3 900321
                               EP 280326 B1 940112
APPLICATION (CC, No, Date):   EP 88102915 880226;
PRIORITY (CC, No, Date): JP 8744523 870227
DESIGNATED STATES: DE; FR; GB; IT; NL
INTERNATIONAL PATENT CLASS: G11B-005/02; G11B-005/09; G11B-005/012;
  G11B-005/016; **G06F-003/06**
ABSTRACT WORD COUNT: 263

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1536
CLAIMS B	(German)	EPBBF1	1325
CLAIMS B	(French)	EPBBF1	1761
SPEC B	(English)	EPBBF1	5312
Total word count - document A			0
Total word count - document B			9934
Total word count - documents A + B			9934

...INTERNATIONAL PATENT CLASS: **G06F-003/06**

...SPECIFICATION relative to the tunnel erase head.
    In recording data on a recording medium, a host **computer** supplies the
  floppy disk controller (FDC) with a **timing signal representing** the
  record-starting time and the record- **ending** time. The timing signal is
  supplied to a control circuit provided within the FDC. The...

 8/3,K/6   (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00902201
CAM-TO-WEB: GLOBAL PLAYER ALBUM
**PROCESSUS DE TRANSFERT D'INFORMATIONS DEPUIS UNE CAMERA VERS UN SITE WEB:
    ALBUM DE JOUEURS A L'ECHELLE MONDIALE**
Patent Applicant/Inventor:
  AVISON Peter, Lot 14, Blomfield lane, RD 4, Pukekohe, NZ, NZ (Residence),
    NZ (Nationality)
Patent and ·Priority Information (Country, Number, Date):
  Patent: WO 200235418 A1 20020502 (WO 0235418)
  Application: WO 2001NZ32 20010306 (PCT/WO NZ0100032)
  Priority Application: NZ 336927 20001028
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
  CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
  KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE
  SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Publication Language: English
Filing Language: English

Main International Patent Class: **G06F-017/60**

8/3,K/7   **(Item 2 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00871075   **Image available**
VIRTUAL INTERACTIVE GLOBAL EXCHANGE
ECHANGE GLOBAL INTERACTIF VIRTUEL
Inventor(s):
  SARMA Sanjay, 67 Hurd Road, Belmont, MA 02478, US,
Patent Applicant/Inventor:
  MELKOMIAN Raymond, 68-23 Douglaston Parkway, Douglaston, NY 11362, US, US
    (Residence), US (Nationality)
Legal Representative:
  SAPONE William J (agent), Coleman Sudol Sapone P.C., 714 Colorado Avenue,
    Bridgeport, CT 06605, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200205182 A1 20020117 (WO 0205182)
  Application: WO 2001US21377 20010706 (PCT/WO US0121377)
  Priority Application: US 2000216195 20000706
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11633

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Detailed Description

Detailed Description
... can be displayed based on user input via keyboard, mouse, voice,
  joystick or preferably by **virtual** input from a **virtual** device such as
  a glove that converts **hand** **movement** into a digital signal for
  simulation on the **virtual** trading floor. Various devices are known for
  user interaction with a **virtual** environment, from a glove, to a headset
  with an internal or heads up display to...

8/3,K/8   **(Item 3 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00844277   **Image available**
SYSTEM, METHOD AND APPARATUS FOR INTERNATIONAL FINANCIAL TRANSACTIONS
SYSTEME, PROCEDE ET APPAREIL POUR TRANSACTIONS FINANCIERES INTERNATIONALES
Patent Applicant/Assignee:
  RUESCH INTERNATIONAL INC, 700 Eleventh Street, N.W., Washington, DC
    20001-4507, US, US (Residence), US (Nationality)
Inventor(s):
  SZOC Ronald Z, 2344 Nebraska Avenue, N.W., Washington, DC 20016, US,
  ZAMUROVIC Radomir, 8408 Bells Ridge Terrace, Potomac, MD 20854, US,
  LESURE Jim, 324 Salisbury Road, Edgewater, MD 21037, US,
  SHANAHAN Jeremy, 8600 Pappas Way, Annandale, VA 22003, US,
Legal Representative:
  BELL Michael J (et al) (agent), Howrey Simon Arnold & White, LLP, 1299
    Pennsylvania Avenue, N.W., Box 34, Washington, DC 20004-2402, US,

Patent and Priority Information (Country, Number, Date):
  Patent: WO 200177868 A2 20011018 (WO 0177868)
  Application: WO 2001US10891 20010404 (PCT/WO US0110891)
  Priority Application: US 2000194587 20000405; US 2001825366 20010404
Designated States: AU CA MX
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 13930

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... Apple Computer, Inc., Cupertino, CA, environments.

  An animated GIF is a graphic image on a **Web** page that moves, e.g. a
  twirling **icon** or a banner with a **hand** that **waves** or letters that
  get larger. In particular, an animated GIF is a file in the...

  8/3,K/9   (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00790516   **Image available**
SYSTEM AND METHOD FOR PERFORMING DISCRETE SIMULATION OF ERGONOMIC MOVEMENTS
SYSTEME ET PROCEDE PERMETTANT D'EFFECTUER LA SIMULATION DISCRETE DE
  MOUVEMENTS ERGONOMIQUES
Patent Applicant/Inventor:
  ELYEA Larry L, 5180 Woodfield Drive, Centreville, VA 20120-4121, US, US
    (Residence), US (Nationality)
  BROWN John W, 9458 Weeping Willow Drive, Manassas, VA 20110-7906, US, US
    (Residence), US (Nationality)
  AUBIN David J, P.O. Box 1126A RR#2, Center Harbor, NH 03226-9409, US, US
    (Residence), US (Nationality)
  CATHELL Vance J, 5443 Safe Harbor Court, Fairfax, VA 22032-3319, US, US
    (Residence), US (Nationality)
Legal Representative:
  GARRETT Arthur S (agent), Finnegan, Henderson, Farabow, Garrett & Dunner,
    L.L.P., 1300 I Street, N.W., Washington, DC 20005-3315, US,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200124001 A1 20010405 (WO 0124001)
  Application: WO 2000US26781 20000929 (PCT/WO US0026781)
  Priority Application: US 99156513 19990929
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
  DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
  LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
  SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6540

Main International Patent Class: **G06F-009/455**
Fulltext Availability:
  Detailed Description

English Abstract
  ...In addition to a tabular output of the simulation results, the present
  system provides a **graphical** representation (800) of a subject
  performing the simulated tasks together with color-coded **depictions**
  illustrating awkward and overly-demanding **body** **movements** .
  Furthermore, an event detector (Fig.8, 810) is provided to detect invalid

events that may...

Detailed Description
...   In addition to a tabular output of the simulation results, the present
   system includes a **graphical** representation of a subject performing the
   simulated tasks together with colorcoded **depictions** illustrating
   awkward and overly-demanding **body** **movements** .

   Furthermore, an event detector is provided to detect invalid events that
   may be simulated during...

 8/3,K/10   (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00781933   **Image available**
METHOD AND DEVICE FOR INPUTTING CONTROL SIGNALS
PROCEDE ET DISPOSITIF D'INTRODUCTION DE SIGNAUX DE COMMANDE
VERFAHREN UND ANORDNUNG ZUR EINGABE VON STEUERSIGNALEN
Patent Applicant/Assignee:
  SIEMENS AKTIENGESELLSCHAFT, Wittelsbacherplatz 2, 80333 Munchen, DE, DE
     (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  MEISSNER Eckhard, Ingelsberger Weg 50, 85604 Zorneding, DE, DE
     (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
  SIEMENS AKTIENGESELLSCHAFT (commercial rep.), Postfach 22 16 34, 80506
     Munchen, DE,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200115067 A1 20010301 (WO 0115067)
  Application: WO 2000DE2858 20000822 (PCT/WO DE0002858)
  Priority Application: DE 19939855 19990823
Designated States: CN HU IN JP KR US
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: German
Filing Language: German
Fulltext Word Count: 1585

International Patent Class: **G06F-003/033**

English Abstract
  ...the surface of a finger are detected and used to determine the
  position of the **finger** . The **movement** of a **graphically** **represented**
  marker is then determined by the relative position of the finger to a
  predetermined reference...

 8/3,K/11   (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00778322   **Image available**
VIRTUAL DRESSING OVER THE INTERNET
HABILLEMENT VIRTUEL PAR L'INTERMEDIAIRE D'INTERNET
Patent Applicant/Assignee:
  HI-PIC LTD, Misgav Technology Center, 20179 D.N. Misgav, IL, IL
     (Residence), IL (Nationality), (For all designated states except: US)
  FRIEDMAN Mark M, Alharizi 1, 43406 Raanana, IL, IL (Residence), US
     (Nationality), (Designated only for: TJ)
Patent Applicant/Inventor:
  ROM Ehud, Yuvalim 110, 20142 D.N. Misgav, IL, IL (Residence), IL
     (Nationality), (Designated only for: US)
Legal Representative:
  FRIEDMAN Mark M, c/o Anthony Castorina, Suite 207, 2001 Jefferson Davis
     Highway, Arlington, VA 22202, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200111886 A1 20010215 (WO 0111886)

Application: WO 99US24960 19991025 (PCT/WO US9924960)
      Priority Application: US 98179826 19981028
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
      ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
      LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
      UA UG US UZ VN YU ZA ZW
      (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
      (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
      (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
      (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 4489

...International Patent Class: **G06F-017/60**
Fulltext Availability:
   Detailed Description

Detailed Description
... example, if the hands of the user are not in the appropriate
   position for the **modeled** clothes, then the **software**   **moves**   the
   hands
   accordingly. Furthermore, the **software** requires manual intervention to
   obtain a good fit of the dimensions of the body of...

 8/3,K/12   (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00762504   **Image available**
**MOTION DETECTION AND TRACKING SYSTEM TO CONTROL NAVIGATION AND DISPLAY OF
      OBJECT VIEWERS**
**SYSTEME DE POURSUITE ET DE DETECTION DE MOUVEMENTS PERMETTANT DE COMMANDER
      LA NAVIGATION ET L'AFFICHAGE DE VISUALISEURS D'OBJETS**
Patent Applicant/Assignee:
   VEGA VISTA INC, Suite 202, 355 West Olive Avenue, Sunnyvale, CA 94086, US
      , US (Residence), US (Nationality)
Inventor(s):
   FLACK James F, 13070 Alta Lane South, Los Altos Hills, CA 94022, US
   FATEH Sina, 1489 Mallard Way, Sunnyvale, CA 94087, US
   MOTTE David L, 405 Azalea Avenue, Ben Lomond, CA 95005, US
Legal Representative:
   MACKENZIE Douglas E, Hickman Stephens Coleman & Hughes, LLP, P.O. Box
      52037, Palo Alto, CA 94303-0746, US
Patent and Priority Information (Country, Number, Date):
   Patent: WO 200075914 A1 20001214 (WO 0075914)
   Application: WO 2000US15210 20000602 (PCT/WO US0015210)
   Priority Application: US 99328053 19990608; US 99441001 19991109
Designated States: CN JP
   (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 8283

...International Patent Class: **G06F-003/00**
Fulltext Availability:
   Detailed Description

Detailed Description
... to zoom and focus on a portion of the San Francisco
   waterfTont;
   7
   FIGURE 12 **depicts** the result of rotational **movement** of the **hand**
   held **computer**
   without rotational translation;
   FIGURE 13 depicts a hand held **computer** in conjunction with a laptop and
   desktop computer in accordance with one embodiment of the...74 will

result in more eastward exploration as depicted in FIGURE 1 1.

FIGURE 12 **depicts** the result of rotational **movement** of the **hand** held **computer** 20.
In this case the display 28 does not change when the **computer** 20 is rotated along an axis.

Note, however, that other embodiments of the invention may...

 8/3,K/13   (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00756234
DATA MODELING SIMULATION
SIMULATION DE MODELISATION DE DONNEES
Patent Applicant/Assignee:
  SIMPLAYER COM LTD, 125 Cambridge Park, Cambridge, MA 02140, US, US
    (Residence), US (Nationality)
Inventor(s):
  GIVOL Yoel, 85 Somerset Street, Cambridge, MA 02140, US
  HAREL Amir, 373 Highland Avenue, Somerville, MA 02140, US
  KAMAY Yaniv, Ganot 101, 50293 Ganot, IL
  ROSIN Menachem, 34 Shderot Chen Street, 76469 Rehovot, IL
Legal Representative:
  TOSTI Robert J, Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125
    High Street, Boston, MA 02110, US
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200068788 A1 20001116 (WO 0068788)
  Application: WO 2000US11138 20000426 (PCT/WO US0011138)
  Priority Application: US 99307627 19990507
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE
  DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
  LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
  SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
  (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
  (AP) GH GM KE LS MW SD SL SZ TZ UG ZW
  (EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 14659

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-017/30**
Fulltext Availability:
  Detailed Description

Detailed Description
...   laws of motion to the body. An item routine 330 of the component 324
  contains **software** instructions and data to render a pictorial
  representation of the **motion** of a **body** 333 (FIG. 313) when the body
  333 moves within a square enclosure 370. An item...

...45. Thus, the component 324, via its item routines 330, 334, may be
  utilized to **simulate** the **motion** of the **body** 3)3)3, and to
  represent the motion pictorially and **graphically** for different
  positions and velocities of the body 333.

  A **graphical** component 331 belonging to the output-display category
  perfonris iterative calculations to generate a Cartesian...

 8/3,K/14   (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00739251   **Image available**
METHOD FOR MARKETING AND SELLING THAT MAY CONTAIN A MEMBERSHIP BUYING OPPORTUNITY
PROCEDE DE COMMERCIALISATION ET DE VENTE POUVANT INCLURE UN GROUPEMENT D'ACHATS EN COMMUN

Detailed Description
... Cupertino, CA, environments.

10
Animated GIF
An animated GIF is a graphic image on a **Web** page that moves - for
example, a twirling **icon** or a banner with a **hand** that **waves** or
letters that get larger. In particular, an animated GIF is a file in the
...

00739190   **Image available**
**ELECTRONIC COMMERCE TRANSACTIONS WITHIN A MARKETING SYSTEM THAT MAY CONTAIN
A MEMBERSHIP BUYING OPPORTUNITY**
**TRANSACTIONS DE COMMERCE ELECTRONIQUE DANS UN SYSTEME DE COMMERCIALISATION
POUVANT INCLURE UN GROUPEMENT D'ACHATS EN COMMUN**
Patent Applicant/Assignee:
 QUIXTAR INVESTMENTS INC, Suite 3275, 30600 Telegraph Road, Bingham Farms,
  MI 48025, US, US (Residence), US (Nationality), (For all designated
  states except: US pmbrk=pmno)
Patent Applicant/Inventor:
 ARGANBRIGHT Daniel A, 955 Diamond N.E., Grand Rapids, MI 49503, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 BAMBOROUGH Dave, 1786 Middleground Drive S.E., Kentwood, MI 49546, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 BANCINO Randy S, 10711 Shaner Avenue N.E., Rockford, MI 49341, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 BLODGETT James G, 5446 Discovery Drive S.E., Kentwood, MI 49508, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 CARLSON Bruce H, 6681 Checkerberry, Rockford, MI 49341, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 DANGL William, 1855 Laraway Lane, Grand Rapids, MI 49546, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 HAZARD William, 17282 Timberdune Drive, Grand Haven, MI 49417, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 HORDER-KOOP Robin, 8099 Wilderness Trail N.E., Ada, MI 49301, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 HUNKING Jim, 63 Mountainview Crescent, London, Ontario N6J 4M7, CA, CA
  (Residence), CA (Nationality), (Designated only for: US pmbrk=pmyes)
 KAMPHUIS Aaron M, 7427 23rd Avenue, Jenison, MI 49428, US, US (Residence)
  , US (Nationality), (Designated only for: US pmbrk=pmyes)
 LANG Gregory J, 4358 Mile Road N.E., Grand Rapids, MI 49525-9633, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 MAHIEU Gary A, 5198 Quailcrest, Grand Rapids, MI 49546, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 MCCORMICK Kathryn E, 333 W. Green, Hastings, MI 49058, US, US (Residence)
  , US (Nationality), (Designated only for: US pmbrk=pmyes)
 MCDONALD Kenneth J, 9171 Conservancy, Ada, MI 49301, US, US (Residence),
  US (Nationality), (Designated only for: US pmbrk=pmyes)
 PARKER John P, 6188 Rogue River Meadows, Belmont, MI 49306, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 POPP Andrew J, 8366 Woodcrest, Rockford, MI 49341, US, US (Residence), US
  (Nationality), (Designated only for: US pmbrk=pmyes)
 SAVAGE Kelly K, 4188 104th Street S.W., Byron Center, MI 49315, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 VISSER Steven R, 2157 Okemos S.E., Grand Rapids, MI 49506, US, US
  (Residence), US (Nationality), (Designated only for: US pmbrk=pmyes)
 ZEVALKINK Claire, 2900 Pioneer Club Road S.E., Grand Rapids, MI 49506, US
  , US (Residence), US (Nationality), (Designated only for: US
  pmbrk=pmyes)
Legal Representative:
 REISTER Andrea G, Howrey Simon Arnold & White, LLP, 1299 Pennsylvania
  Avenue N.W., Box 34, Washington, DC 20004-2402, US
Patent and Priority Information (Country, Number, Date):
 Patent: WO 200052552 A2 20000908 (WO 0052552)
 Application: WO 2000US5074 20000229 (PCT/WO US0005074)
 Priority Application: US 99122385 19990302; US 99126493 19990325; US
  2000515860 20000229
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
 DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
 LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
 TM TR TT TZ UA UG US UZ VN YU ZA ZW
 (EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 (OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
 (AP) GH GM KE LS MW SD SL SZ TZ UG ZW

Publication Language: English
Filing Language: English
Fulltext Word Count: 56258

Main International Patent Class: **G06F**
Fulltext Availability:
  Detailed Description

Detailed Description
... Inc., Cupertino, CA, environments.

  Animated GIF
  An animated GIF is a graphic image on a **Web** paore that moves – for
  example, a twirling **icon** or a banner with a **hand** that **waves** or
  letters that get larger. In particular, an animated GIF is a file in the
  ...

 8/3,K/16   (Item 11 from file: 349)

00554394   **Image available**
**SYSTEM FOR DYNAMIC REGISTRATION, EVALUATION, AND CORRECTION OF FUNCTIONAL
    HUMAN BEHAVIOR**
**SYSTEME D'ENREGISTREMENT, D'EVALUATION, ET DE CORRECTION DYNAMIQUES DU
    COMPORTEMENT HUMAIN FONCTIONNEL**
Patent Applicant/Assignee:
  MOTEK MOTION TECHNOLOGY INC,
  EVEN-ZOHAR Oshri,
Inventor(s):
  EVEN-ZOHAR Oshri,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200017767 A1 20000330 (WO 0017767)
  Application: WO 99US21246 19990922 (PCT/WO US9921246)
  Priority Application: NL 1010150 19980922; EP 98204334 19981221; US
    99116506 19990120
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
  DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
  LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM
  TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
  BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 12079

Main International Patent Class: **G06F-015/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... the MMC data set 100 recorded by the operator 120 allows real-time
  recording of **virtual** camera trajectories (eg: **simulation** rides)
  containing the **body** **motions** of the operator 120. These recorded
  perceived body motions can
  1 9
  then be programmed...

 8/3,K/17   (Item 12 from file: 349)

00546726   **Image available**
**COMPUTER ARCHITECTURE AND PROCESS FOR AUDIO CONFERENCING OVER LOCAL AND
    GLOBAL NETWORKS INCLUDING INTERNETS AND INTRANETS**
ARCHITECTURE D'ORDINATEUR ET PROCEDE DE CONFERENCE AUDIO DANS DES RESEAUX

LOCAUX ET GLOBAUX Y COMPRIS DES RESEAUX INTERNET ET INTRANET
Patent Applicant/Assignee:
  NET TALK INC,
  TOVER Steven,
  SHAPIRO Stanley,
  JAFFE David,
Inventor(s):
  TOVER Steven,
  SHAPIRO Stanley,
  JAFFE David,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 200010099 A1 20000224 (WO 0010099)
  Application: WO 99US18549 19990817 (PCT/WO US9918549)
  Priority Application: US 9896865 19980817; US 99144729 19990720; US
    99147382 19990806
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES
  FI GB GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU LV MD
  MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
  UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
  AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
  GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 16005

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... to four people participate
  in real time audio chat, using lifelike animated
  characters in a **3 - D** environment.

  Participants, for example, create their own chat
  sessions and select from many **avatars** to **simulate**
  human conversation, with **moving** lips, turning **heads** ,
  gesticulating hands and moving feet. The **3 - D**
  environment features, for instance, speaker
  identification tools to indicate who is speaking and
  who is...

 8/3,K/18   (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00533624   **Image available**
**METHOD AND DEVICE FOR STORING AND TRANSMITTING AVATAR INFORMATION FOR USE
    IN A VIRTUAL ENVIRONMENT**
**PROCEDE ET DISPOSITIF PERMETTANT D'ENREGISTRER ET DE TRANSMETTRE DES
    INFORMATIONS SUR LES AVATARS ET DESTINES A ETRE UTILISES DANS UN
    ENVIRONNEMENT VIRTUEL**
Patent Applicant/Assignee:
  TELEFONAKTIEBOLAGET LM ERICSSON (publ),
Inventor(s):
  VIKTORSSON Per,
  BORG Kjell,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9964976 A1 19991216
  Application: WO 99SE870 19990521 (PCT/WO SE9900870)
  Priority Application: SE 982001 19980605
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
  ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
  LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
  UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU
  TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
  CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English

Fulltext Word Count: 1649

Main International Patent Class: **G06F-019/07**
Fulltext Availability:
  Detailed Description

Detailed Description
... sent into the virtual world, when the
  user controlling the avatar logs on to the **virtual** world.

  Another example of an **avatar** is a "talking head", i.e. a three
  dimensional **representation** of a person's **head** , which can **move**
  its lips in synchronisation with speech. Talking heads can be
  used to create an illusion...

  8/3,K/19   (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00529115   **Image available**
DEVICE AND METHOD FOR RECORDING HAND-WRITTEN INFORMATION
DISPOSITIF ET PROCEDE D'ENREGISTREMENT D'INFORMATIONS MANUSCRITES
Patent Applicant/Assignee:
  C TECHNOLOGIES AB,
  FAHRAEUS Christer,
  HUGOSSON Ola,
  ERICSON Petter,
Inventor(s):
  FAHRAEUS Christer,
  HUGOSSON Ola,
  ERICSON Petter,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9960467 A1 19991125
  Application: WO 99SE717 19990430 (PCT/WO SE9900717)
  Priority Application: SE 981535 19980430; US 9891323 19980630
Designated States: AE AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE
  DE DK DK EE EE ES FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR
  KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI
  SK SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG
  ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU
  MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 6505

Main International Patent Class: **G06F-003/033**
Fulltext Availability:
  Detailed Description

Detailed Description
... moved.

  Thus, the device carries out a digitisation of the
  hand movement so that a **computer** can process the informa
  tion **represented** by the **hand** **movement** . In this context,
  it should be pointed out that the movement of the record
  ing...

  8/3,K/20   (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00510302   **Image available**
BIOFEEDBACK APPARATUS
APPAREIL DE BIORETROACTION
Patent Applicant/Assignee:
  GERO Jeffrey,

Inventor(s):
  GERO Jeffrey,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9941654 A1 19990819
  Application: WO 98US2635 19980213   (PCT/WO US9802635)
  Priority Application: WO 98US2635 19980213
Designated States: AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE
  DK DK EE EE ES FI FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK
  LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL
  TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ
  MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
  CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 2717

Main International Patent Class: **G06F-001/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... prestored audio visual sequences.

  A mouse is a pointing device commonly used to navigate through
  computer software . It is typically gripped by one of the user's
  hands. As the
  user **moves** his **hand** , the physical **motion** manipulates an **icon** on
  the
  computer screen. The basic features of a mouse consists of a casing
  with a
  flat bottom...

  8/3,K/21   (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2002 WIPO/Univentio. All rts. reserv.

00409284   **Image available**
VIRTUAL ENVIRONMENT INTERACTION AND NAVIGATION DEVICE
DISPOSITIF D'INTERACTION ET DE NAVIGATION DANS UN ENVIRONNEMENT VIRTUEL
Patent Applicant/Assignee:
  PHILIPS ELECTRONICS N V,
  PHILIPS NORDEN AB,
Inventor(s):
  GALLERY Richard David,
  SHAH Jain Kumar,
  HERON Dale Robert,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9750029 A1 19971231
  Application: WO 97IB410 19970416   (PCT/WO IB9700410)
  Priority Application: GB 9613315 19960625
Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 2575

Main International Patent Class: **G06F-003/00**
Fulltext Availability:
  Detailed Description

Detailed Description
... physical movements or user inputs may be used as a trigger, with a
  generated or **modelled** sequence of **virtual body motions** being
  initiated - regardless of what motions the user may make whilst the
  sequence replays.

  From...

  8/3,K/22   (Item 17 from file: 349)

00401843   **Image available**
**APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING
    INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY**
**APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE
    INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE
    INSTALLATION DE PRODUCTION DE TOLES**
Patent Applicant/Assignee:
  AMADA METRECS CO LTD,
  AMADASOFT AMERICA INC,
Inventor(s):
  HAZAMA Kensuke,
  HWANG Yearn-Tzuo,
  SAKAI Satoshi,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9742587 A1 19971113
  Application: WO 97US7472 19970506 (PCT/WO US9707472)
  Priority Application: US 9616958 19960506; US 96690084 19960731
Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 147831
Main International Patent Class: **G06F-017/60**
Fulltext Availability:
  Detailed Description

Detailed Description
... for any Windows application. Most of the standard operations to view
   the 2-D and **3 - D** **models** (e.g., zoom 92, **rotate** 96, pan 100,
   dimension 102, etc.) may be implemented as member functions of the bend
   ...

   8/3,K/23   (Item 18 from file: 349)

00395482   **Image available**
OBJECT POSITION DETECTOR WITH EDGE MOTION FEATURE AND GESTURE RECOGNITION
**DETECTEUR DE POSITION D'OBJET A FONCTIONS DE RECONNAISSANCE DE DEPLACEMENT
    DES BORDS ET DE RECONNAISSANCE DES GESTES**
Patent Applicant/Assignee:
  SYNAPTICS INC,
Inventor(s):
  GILLESPIE David W,
  ALLEN Timothy P,
  WOLF Ralph,
  DAY Shawn,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9736225 A1 19971002
  Application: WO 97US5333 19970326 (PCT/WO US9705333)
  Priority Application: US 96623483 19960328
Designated States: CN JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
  SE
Publication Language: English
Fulltext Word Count: 30316

Main International Patent Class: **G06F-003/033**
Fulltext Availability:
  Detailed Description

Detailed Description
... of FIGS. 15a through 15e, two signals are shown graphed against time;
   one is the **analog** 'T' (**finger** pressure) **signal** , the other is the
   digital "Ouf ' (**virtual** button press) signal. The various relevant time
   spans are shown with labels "'U" through "t21...

00380423   **Image available**
METHOD AND APPARATUS FOR CONTROLLING THE MOVEMENT OF A VIRTUAL BODY
PROCEDE ET APPAREIL DE COMMANDE DU DEPLACEMENT D'UN CORPS VIRTUEL
Patent Applicant/Assignee:
  PHILIPS ELECTRONICS N V,
  PHILIPS NORDEN AB,
Inventor(s):
  GALLERY Richard David,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9721166 A1 19970612
  Application: WO 96IB1225 19961114 (PCT/WO IB9601225)
  Priority Application: GB 9525047 19951207
Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 4417

Main International Patent Class: **G06F-003/00**
Fulltext Availability:
  Detailed Description
  Claims
English Abstract
  ...animated to follow physical movements of the user. Stores (30, 32)
  hold data defining the **virtual** environment as well as features of the
  virtual body **representation** , including sequences of **virtual   body
  motions** (for example a walking sequence for the legs of the **virtual**
  body) which sequences are initiated in response to one or more
  predetermined physical movements by...

Detailed Description
... in a virtual environment, the apparatus comprising: a first data
  store, holding data defining the **virtual** environment; a second data
  store, holding data related to features of the **virtual   body
  representation** , user
   motion detection means, and processing means arranged to generate a
  representation of the **virtual** environment based on data from the first
  data store, to generate the body representation within...device.

  Figure 2 represents a first data processor arrangement for translation of
  direct measurement to **virtual   body   motion** ;
  Figure 3 **represents** an alternative data processor arrangement for the
  translation of indirect measurement to **virtual** body motion; and
  Figure 4 is an alternative configuration of foot axial motion measurement
  device...

Claim
... in a virtual
  environment, the apparatus comprising:
  a first data store, holding data defining the **virtual** environment-,
  a second data store, holding data related to features of the **virtual
  body**
   representation ;
  user **motion** detection means; and
  processing means arranged to generate a representation of the **virtual**
  environment based on data from the first data store, to generate the body
  representation within...

00285439
AN AUDIO CONTROLLED COMPUTER-GENERATED VIRTUAL ENVIRONMENT

ENVIRONNEMENT VIRTUEL GENERE PAR ORDINATEUR ET A COMMANDE AUDIO
Patent Applicant/Assignee:
  FAKESPACE INC,
Inventor(s):
  BOLAS Mark,
  McDOWALL Ian E,
  BOLAS Michael N,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 9503588 A1 19950202
  Application: WO 94US7612 19940712 (PCT/WO US9407612)
  Priority Application: US 9391650 19930714
Designated States: AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 13510

Main International Patent Class: **G06F-017/00**
International Patent Class: **G06F-17:50**
Fulltext Availability:
  Detailed Description

Detailed Description
... 250, and can also convert
  other audio sources such as a live microphone 248.

  The **VR** system receives three signals: a **signal**
  261 **representing   head** position and orientation from
  the **VR** display 260 or other forms of area of interest
  tracking information (such as that from...

 8/3,K/26   (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00143094
ITERATIVE SPLINE FUNCTION CONTROLLED POSITIONING MECHANISM
MECANISME DE POSITIONNEMENT COMMANDE PAR FONCTION SPLINE ITERATIVE
Patent Applicant/Assignee:
  MTS SYSTEMS CORPORATION,
Inventor(s):
  GUTMAN Yevsey,
  LANGER William J,
Patent and Priority Information (Country, Number, Date):
  Patent: WO 8707970 A1 19871230
  Application: WO 87US1396 19870618 (PCT/WO US8701396)
  Priority Application: US 86995 19860618
Designated States: AT BE CH DE FR GB IT JP LU NL SE
Publication Language: English
Fulltext Word Count: 6930

Main International Patent Class: **G06F-015/50**
Fulltext Availability:
  Detailed Description

Detailed Description
... computer 18 by a source such as terminal 20. In
  response to the input data, **computer** 18 produces
  position signals **representative** of a desired program
  of **movement** of robot **arm** 12 on each of the N axes.

  The position signals are representative of data
  computed...

07097827   **Image available**
BUSINESS **MODEL** BY MEDIATOR SYSTEM FOR ELECTRONIC COMMERCIAL TRANSACTION

PUB. NO.:   2001-325483 [JP 2001325483 A]
PUBLISHED: November 22, 2001 (20011122)
INVENTOR(s):   YONEZAWA FUMIHIRO
APPLICANT(s):   YONEZAWA FUMIHIRO
APPL. NO.:   2000-182250 [JP 2000182250]
FILED: May 15, 2000 (20000515)
INTL CLASS: **G06F-017/60**

ABSTRACT
PROBLEM TO BE SOLVED: To construct a mediating system for activating a
transaction by pursuing the privacy protection and convenience of a general
consumer in an electronic commercial transaction.

SOLUTION: The general consumer can perform the electronic commercial
transaction without disclosing **personal** information every time from
plural sellers contracting with a mediator through the **home page** of
this mediator. Besides, when selling a price, the seller contracting with
the mediator charges the price settlement to the mediator in the case of an
order from the general consumer or access to a member site and the mediator
is charged on conditions desired by the general consumer such as credit
card settlement, **exchange** with payment at the time of delivery or bank
transfer regardless of the settlement conditions of the seller and the
mediator.

07055475   **Image available**
BUSINESS **MODEL** IN WHICH ELECTRONIC COMMERCIAL TRANSACTION OF ID NUMBER
(AUTHENTICATION NUMBER) IS PERFORMED IN PREPAID SYSTEM AND INTERNATIONAL
AND DOMESTIC COMMUNICATION SERVICE IS PROVIDED AND ENJOYED BY USING THE
SAME PREPAID ID NUMBER AND PROVIDER PERFORM UNITARY **PLURAL** COMPOSITE
CONTROL (PRODUCTION, INVENTORY, **SALES** , **CUSTOMER** , BUSINESS, TECHNIQUE,
ACCOUNTING, FINANCIAL AFFAIR, AND MANAGEMENT)

PUB. NO.:   2001-283110 [JP 2001283110 A]
PUBLISHED: October 12, 2001 (20011012)
INVENTOR(s):   ISHIMURA MASATO
                MORI SHIGEYASU
APPLICANT(s):   MORI SHIGEYASU
APPL. NO.:   2000-135267 [JP 2000135267]
FILED: March 31, 2000 (20000331)
INTL CLASS: **G06F-017/60** ; H04M-015/00

ABSTRACT
PROBLEM TO BE SOLVED: To provide a management method from production to
execution by displacing the format of an ID number (authentication number)
for a speech procedure to be performed at the time of calling from a
conventional one (international and domestic telephone prepaid card) to an
electronic one (prepaid ID number).

SOLUTION: An ID number (authentication number) necessary at the time using
a communication service (speech, Internet, electronic mail or the like) is
allowed to newly exist as electronic amorphous merchandise (prepaid ID
number). Then, all relations and processes concerned with the ID number are
electronically performed by a technique integrated into a network. Thus,

the existing business **model** in which the commercial transaction and
management of substantial merchandise (an international and domestic
telephone prepaid card as a real object) is manually performed as a real
action based on experiences can be substituted for a new business **model**
in which the commercial transaction and management of the merchandise is
electronically performed in a **virtual** space by a technique integrated
into a network.

12/5/3   (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014348856   **Image available**
WPI Acc No: 2002-169559/200222
   Integrated information exchange **system capable of performing
   information** exchange , **profitable** model **and advertising method on** web
      site
Patent Assignee: LEE H Y (LEEH-I)
Inventor: LEE H Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001090363	A	20011018	KR 200015260	A	20000325	200222	B

Priority Applications (No Type Date): KR 200015260 A 20000325
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001090363	A		1	G06F-017/60	

Abstract (Basic): KR 2001090363 A
      NOVELTY - An integrated information **exchange** system capable of
   performing information **exchange** , profitable **models** and advertising
   method on a **web   site** is provided to increase the convenience of an
   information user by enabling the user to acquire object information and
   perform a free multi-communication with an information provider.
      DETAILED DESCRIPTION - A real property transaction integrated
   system(101) is connected with each network(102A) of a plurality of real
   property object providers(102), each digital computer network(103B) of
   a **plurality** of information **users** (103) and a digital computer
   network(103B) of a plurality of advertisers(104) who **display**
   advertisements in the real property transaction integrated system(101).
   A digital information site(105) is visually displayed in the
   system(101). Digital information on real property objects,
   communication devices and so on are inserted into the digital
   information site(105). Information on the communication devices are
   connected with the digital computer network(104C) of the
   advertiser(104).
      pp; 1 DwgNo 1/10
Title Terms: INTEGRATE; INFORMATION; **EXCHANGE** ; SYSTEM; CAPABLE;
   PERFORMANCE; INFORMATION; **EXCHANGE** ; **MODEL** ; ADVERTISE; METHOD; WEB;
   SITE
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

12/5/4   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014241462   **Image available**
WPI Acc No: 2002-062162/200208
XRPX Acc No: N02-046138
   Managing transaction profiles submitted by market **parties through**

communication network by using at least one transaction profile of group
that indicates different market party commitment level than another
transaction profile
Patent Assignee: VERT TECH LLC (VERT-N)
Inventor: GAL A; SCHREIBER M Z
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200184449	A1	20011108	WO 2001US14306	A	20010503	200208	B
AU 200159430	A	20011112	AU 200159430	A	20010503	200222	

Priority Applications (No Type Date): US 2000564164 A 20000503
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200184449 A1 E 68 G06F-017/60
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200159430 A   G06F-017/60   Based on patent WO 200184449

Abstract (Basic): WO 200184449 A1
        NOVELTY - A number of transaction profiles (TP) is received from a
    number of market parties (MP) through a communication network
    including a limitation to a suggested transaction. A group of TP is
    identified meeting the limitation of each other transaction profile of
    the group. At least one TP of the group indicates a different market
      party commitment level than another TP of the group.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:
        (a) a transaction server
        (b) a graphical user interface providing a communication
    interface between a market party and a transaction server
        USE - For managing transaction profiles submitted by market
    parties through a communication network.
        ADVANTAGE - The market parties may submit transaction profiles
    representing different intended levels of commitment of the market
    parties. Allows the market parties to view market trends, receive
    information about potential trading parties and enter into
    transaction agreements through the system.
        DESCRIPTION OF DRAWING(S) - The drawing is a flowchart of a method
    of managing transactions in accordance with the exemplary embodiment of
    the present invention.
        pp; 68 DwgNo 10/12
Title Terms: MANAGE; TRANSACTION; PROFILE; SUBMIT; MARKET ; PARTY; THROUGH
  ; COMMUNICATE; NETWORK; ONE; TRANSACTION; PROFILE; GROUP; INDICATE;
   MARKET ; PARTY; LEVEL; TRANSACTION; PROFILE
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

 12/5/5   (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014240963   **Image available**
WPI Acc No: 2002-061663/200208
XRPX Acc No: N02-045770
   Electronic market place for auctioning non-exclusive rights in
   intangible property e.g. copy rights to display digital image, by using
   demand-based pricing to establish true market value of image
Patent Assignee: HERNDON C (HERN-I); HERNDON R (HERN-I); NAYLOR R (NAYL-I);
   ROOM D (ROOM-I); YEAGER E (YEAG-I)
Inventor: HERNDON C; HERNDON R; NAYLOR R; ROOM D; YEAGER E
Number of Countries: 001 Number of Patents: 001

Patent Family:
```
Patent No        Kind    Date      Applicat No    Kind    Date      Week
US 20010049648   A1      20011206  US 2000182533  A       20000215  200208  B
                                   US 2000209589  A       20000606
                                   US 2001782277  A       20010214
```

Priority Applications (No Type Date): US 2001782277 A 20010214; US
    2000182533 P 20000215; US 2000209589 P 20000606
Patent Details:
```
Patent No  Kind Lan Pg   Main IPC      Filing Notes
US 20010049648 A1    39 G06F-017/60    Provisional application US 2000182533

                                       Provisional application US 2000209589
```

Abstract (Basic): US 20010049648 A1
    NOVELTY - A version of digital images is transmitted to **bidders** ,
offering for **sale** one category of non-exclusive rights (512)
representing a scope of use of the image. **Several** bids are received
from prospective **buyers** for the **display** rights from which a
prospective buyer is determine by calculating a maximum revenue from
selling to one or more of the **bidders** at the bid price offered by the
lowest of one of the buyers.
    DETAILED DESCRIPTION - If revenue is maximized by offering the
right on an exclusive basis, then the right is sold exclusively to the
highest **bidder** . If on the other hand the revenue is maximized by
selling the right to **multiple bidders** on a non-exclusive basis,
then the right is sold to **multiple bidders** . combination of
exclusive and non-exclusive rights may be offered for **auction** and
they are bid for by various parties. Comparing A winning bid for
selling the **display** right on an exclusive basis with a total amount
of revenue to be received by selling the **display** right on a
non-exclusive basis at the bid price offered by the lowest of the
successful bids.
    An INDEPENDENT CLAIM is included for a computer for selling
display rights in digital image.
    USE - For **auctioning** non-exclusive rights in intangible property
such as copyrights, trademarks, **display** rights in a digital image and
patents to consumers.
    ADVANTAGE - An intangible right associated with a copyright,
trademark or patent is **auctioned** off in a manner that maximizes
revenue to the owner.
    DESCRIPTION OF DRAWING(S) - The diagram is a flow chart that shows
steps executed to sell a digital image.
    Display rights to be **auctioned** (512)
    pp; 39 DwgNo 25/25
Title Terms: ELECTRONIC; **MARKET** ; PLACE; NON; EXCLUDE; PROPERTIES; COPY;
    DISPLAY ; DIGITAL; IMAGE; DEMAND; BASED; PRICE; ESTABLISH; TRUE; **MARKET**
    ; VALUE; IMAGE
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 12/5/6   (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014214090   **Image available**
WPI Acc No: 2002-034788/200204
XRPX Acc No: N02-026738
    Managing Internet transaction profiles by determining limitations and
    market **party commitment levels of group**
Patent Assignee: VERT TECH LLC (VERT-N)
Inventor: GAL A; SCHRIEBER Z M
Number of Countries: 093 Number of Patents: 002
Patent Family:
```
Patent No      Kind    Date      Applicat No    Kind    Date      Week
```

```
WO 200188821  A1  20011122  WO 2001US16166  A   20010518  200204  B
AU 200164684  A   20011126  AU 200164684     A   20010518  200222
```

Priority Applications (No Type Date): US 2000573711 A 20000518
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
WO 200188821 A1 E 67 G06F-017/60
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200164684 A   G06F-017/60   Based on patent WO 200188821

Abstract (Basic): WO 200188821 A1
    NOVELTY - Method consists in receiving transaction profiles from
parties via the Internet, each profile having limitations to the
suggested transaction such as a date or credit rating, and identifying
a group of profiles with a different commitment level. Limitations are
the additional transaction attribute of a price or quantity or quality
indicator, or a **market** party identifier.
    DETAILED DESCRIPTION - There are INDEPENDENT CLAIMS for;
    (1) a transaction server;
    (2) a **graphical** user **interface** .
    USE - Method is for Internet transactions.
    ADVANTAGE - Method enables **parties** to submit transaction profiles
representing **different** intended levels of commitment.
    DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a
transaction management system.
    pp; 67 DwgNo 1/11
Title Terms: MANAGE; TRANSACTION; PROFILE; DETERMINE; LIMIT; **MARKET** ;
  PARTY; LEVEL; GROUP
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 12/5/7   (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014176695   **Image available**
WPI Acc No: 2001-660923/200176
 System for internet auction **agency**
Patent Assignee: TRONAGE INC (TRON-N)
Inventor: SUNG S H
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
KR 2001063040 A   20010709 KR 9959888   A   19991221 200176 B

Priority Applications (No Type Date): KR 9959888 A 19991221
Patent Details:
Patent No   Kind Lan Pg   Main IPC   Filing Notes
KR 2001063040 A   1 G06F-017/60

Abstract (Basic): KR 2001063040 A
    NOVELTY - The system for the Internet **auction** agency is provided
to notify the bid result to a user through an e-mail as well as to
automatically execute the **auction** for the user up-to the bid limits
in the web server of the **auction** agency based on the relevant data of
a DB.
    DETAILED DESCRIPTION - **Many** **client** PCs(10) connects to the
specified **auction** **web** **site** (40), receives the information data of
each item from the **auction** **web** **site** , **displays** the information
data on a screen for the check of the user, and outputs to the **auction**

web site the bid price data which the user inputs in order to purchase the desired item. Also, the client PCs connects to the web server of the auction agency(30) and outputs to the web server of the auction agency the data for the auction agency, such as the URL(Universal Resource Locator) of the relevant auction web site , user ID and password, model name or code of the item, bid limits, e-mail address of the user, and so on. A communication network(20) connects a communication line between many client PCs and the web server of the auction agency and many auction web sites , and fulfills the data communication according to the auction agency of each user. The web server of the auction agency receives the data for the auction agency from the user, makes a DB out of the data, connects to the relevant auction web site , automatically execute the auction for the user up-to the bid limits, and notifies the bid result to the user through e-mail. Many auction web sites offer the information of each item to the web and sell the item to the user who bids in the highest price.
    pp; 1 DwgNo 1/10
Title Terms: SYSTEM; AUCTION ; AGENT
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

12/5/8   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014172830   **Image available**
WPI Acc No: 2001-657058/200175
XRPX Acc No: N01-489772
    Trading   simulator   displays buying and selling trader   metaphors
  in different segments and quote board for different markets
Patent Assignee: PROJECT B LLC (PROJ-N)
Inventor: BORCHEW M ; HAUK E C
Number of Countries: 095 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200175731   A1   20011011 WO 2001US10267 A   20010330   200175   B
AU 200151143   A   20011015 AU 200151143   A   20010330   200209

Priority Applications (No Type Date): US 2000540601 A 20000331
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200175731 A1 E   38 G06F-017/60
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
    JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL
    PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200151143 A   G06F-017/60   Based on patent WO 200175731

Abstract (Basic): WO 200175731 A1
    NOVELTY - Buying trader is represented by human figure with a hand up facing in, seller with a hand up facing away, size indicating the trader with the highest bid price or lowest offer price and the figures being arranged in rows with different colors. Audio volume changes according to number of buying or selling traders and volume of trading .
    DETAILED DESCRIPTION - Simulator comprises a data coder-decoder connected to a graphic interface displaying buying and selling trader metaphors and to a control interface initiating orders and to a data interface displaying the data.
    There is an INDEPENDENT CLAIM for a method of trading using a trading simulator .
    USE - Simulator is for real-time simulation of the trading

action of **traders** in a financial **market** .
    ADVANTAGE - **Simulator** enables **traders** from anywhere in the
world to be linked to an **exchange** and **represents** them graphically
as **virtual** pit participants.
    DESCRIPTION OF DRAWING(S) - The figure shows a **virtual** **trading**
floor system.
    pp; 38 DwgNo 1/9
Title Terms: **TRADE ; SIMULATE ; DISPLAY ;** BUY; SELL; SEGMENT; BOARD;
  MARKET
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 12/5/9   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014117972   **Image available**
WPI Acc No: 2001-602184/200168
XRPX Acc No: N01-449364
  Points totaling system for electronic program guide, allocates different
  points to services selectable by user
Patent Assignee: ADC TECHNOLOGY YG (ADCT-N); ADC TECHNOLOGY INC (ADCT-N)
Inventor: MIZUGUCHI K
Number of Countries: 022 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200111885	A1	20010215	WO 2000JP5099	A	20000731	200168	B
JP 2001111984	A	20010420	JP 99326780	A	19991117	200168	

Priority Applications (No Type Date): JP 99326780 A 19991117; JP 99219852 A
  19990803
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200111885	A1	J	61	H04N-007/173	

    Designated States (National): CA KR US
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE

JP 2001111984	A		22	H04N-007/173	

Abstract (Basic): WO 200111885 A1
    NOVELTY - Pressing an EPG key on a remote control outputs
  EPG-related information accumulated in a RAM to an image **display** unit
  (2). The EPG (50) is displayed on the upper 4/5 portion of the screen
  of the image **display** unit, with service information displayed in a
  column (60) on the remaining 1/5 portion. The column **displays** a
  questionnaire, a commercial, a commodity **sale** , and a retrieval
  service, and when a user selects a service they can obtain
  corresponding points.
    USE - Points totaling system for electronic program guide.
    ADVANTAGE - Provides a variety of services by using an electronic
  program guide, and encourages their usage.
    DESCRIPTION OF DRAWING(S) - The figure is a **representation** of an
  EPG **display** as used in the points totaling system of the invention.
    display unit (2)
    EPG (50)
    column (60)
    pp; 61 DwgNo 4/9
Title Terms: POINT; SYSTEM; ELECTRONIC; PROGRAM; GUIDE; ALLOCATE; POINT;
  SERVICE; SELECT; USER
Derwent Class: T01; T05; W02; W03
International Patent Class (Main): H04N-007/173
International Patent Class (Additional): **G06F-017/60** ; H04N-005/44;
  H04N-007/025; H04N-007/03; H04N-007/035; H04N-007/16
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

014088481   **Image available**
WPI Acc No: 2001-572695/200165
XRPX Acc No: N01-426937
   Website **system for e-shops involves** webpages **which** display **large
   graphic images of shops and signposts to direct users to other pages or**
   websites
Patent Assignee: ETERA CORP (ETER-N)
Inventor: LOEB C F
Number of Countries: 027 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1132843	A1	20010912	EP 2001200900	A	20010309	200165	B
CA 2336576	A1	20010909	CA 2336576	A	20010214	200167	

Priority Applications (No Type Date): US 2000522225 A 20000309
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1132843	A1	E	17	G06F-017/60	

   Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
   LI LT LU LV MC MK NL PT RO SE SI TR

CA 2336576	A1	E		H04L-012/16	

Abstract (Basic): EP 1132843 A1
     NOVELTY - **Webpages** show images of different departments of shop
   (20) and signposts (22) which direct the **user** to **webpages**
   representing different departments or **websites representing**
   different retailers. **Webpage** for department shows images of the
   articles for **sale** and has detailed descriptions at the side of the
   page.
     DETAILED DESCRIPTION - The system may be used to sell plants in
   which case the user is asked to input his geographic area so that he
   will only be offered plants suitable for that area. INDEPENDENT CLAIMS
   are included for:
     1. The method of seeing items using the described system.
     2. A network of retailer's **websites** using the described **webpage**
   system .
     3. The method of providing individual retailers **websites** using
   the described system.
     USE - As a method of selling using the Internet (claimed).
     ADVANTAGE - Provides user with **website** environment which is easy
   to navigate.
     DESCRIPTION OF DRAWING(S) - The drawing shows a typical **webpage**
   using the described system.
     Image of shop (20)
     Signpost (22)
     pp; 17 DwgNo 2/6
Title Terms: SYSTEM; SHOP; **DISPLAY** ; GRAPHIC; IMAGE; SHOP; SIGN; DIRECT;
   USER; PAGE
Derwent Class: T01
International Patent Class (Main): **G06F-017/60** ; H04L-012/16
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

014086367   **Image available**
WPI Acc No: 2001-570581/200164
XRPX Acc No: N01-425230
   Localized electronic commerce centralization for providing online
   virtual **city service, involves creating** virtual representation **of**

stores, allowing users to place purchased items into single virtual
shopping cart
Patent Assignee: VIRTUACITIES INC (VIRT-N)
Inventor: FERREIRA J P S
Number of Countries: 094   Number of Patents: 003
Patent Family:
Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200161539	A2	20010823	WO 2001US4769	A	20010214	200164	B
US 20010034661	A1	20011025	US 2000182282	A	20000214	200170	
			US 2001783448	A	20010214		
AU 200141489	A	20010827	AU 200141489	A	20010214	200176	

Priority Applications (No Type Date): US 2000182282 P 20000214; US
2001783448 A 20010214
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200161539 A2 E 69 G06F-017/00
    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
US 20010034661 A1   G06F-017/60   Provisional application US 2000182282

AU 200141489 A   G06F-017/00   Based on patent WO 200161539

Abstract (Basic): WO 200161539 A2
        NOVELTY - A **virtual   representation** of stores is created in the
    interface in which local merchants are allowed to sell items. The user
    is allowed to place the purchased **sales** item into a single **virtual**
    shopping cart. The payment for the items in the shopping cart is
    processed using the **virtual** city application.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) System for centralizing localized e-commerce;
        (b) Method for providing interactive **virtual   representation** to
    the user;
        (c) System for providing interactive **virtual   representation** to
    the user;
        (d) Method for using linear programming code to provide automated
    services
        USE - For providing on-line **virtual** city services, one-stop
    shopping services.
        ADVANTAGE - One-stop shopping is efficiently provided to the users
    without requiring the **users** to enter **personal** information **multiple**
    items. Provides **virtual** community that provides sense of realism and
    immerses users in an on-line environment.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
    image capturing system and flowchart involved in making images
    available to the **virtual** city application.
        pp; 69 DwgNo 1A, 1B/18
Title Terms: ELECTRONIC; **VIRTUAL** ; CITY; SERVICE; **VIRTUAL** ; **REPRESENT** ;
    STORAGE; ALLOW; USER; PLACE; PURCHASE; ITEM; SINGLE; **VIRTUAL** ; SHOPPING;
    CART
Derwent Class: T01
International Patent Class (Main): G06F-017/00; **G06F-017/60**
File Segment: EPI

 12/5/12   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014080366   **Image available**
WPI Acc No: 2001-564580/200163
XRPX Acc No: N01-420273

User reaction predicting method for computer based marketing, involves selecting set of mentors from users and objective archetypes and pairing the users with mentors for predicting the not rated item rating

Patent Assignee: GREENING D R (GREE-I); HEY J B (HEYJ-I)
Inventor: GREENING D R; HEY J B
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010013009	A1	20010809	US 9747220	A	19970520	200163	B
			US 9881264	A	19980519		

Priority Applications (No Type Date): US 9747220 P 19970520; US 9881264 A 19980519

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010013009	A1		22	G06F-017/60	Provisional application US 9747220

Abstract (Basic): US 20010013009 A1

NOVELTY – A rating **representing** the **user** reaction to the item, **several** objective archetypes (104), **representing** hypothetical **user** and associated item and rating **representing** hypothesized reaction are defined. A set of mentors (120) from the **user** group and from **several** objective archetypes is selected, based on similarity of rating of each user in group and each objective archetype. Each mentor is paired successively with selected user and similarity function **representing** overall pair rating agreement is computed. The selected user rating for not rated items is predicted from similarity functions and mentor ratings of item.

DETAILED DESCRIPTION – An INDEPENDENT CLAIM is also included for user's reaction predicting system.

USE – For computer based marketing of items such as movies, books, music, games, food, groceries, special interest clubs, chat groups, online forums, **web sites** and advertising.

ADVANTAGE – Archetype recommendation provides ability to predict user's response to new items and recommend new items to a user efficiently and accurately. Objective archetype rates all items satisfying best rating criterion.

DESCRIPTION OF DRAWING(S) – The figure shows flow diagram of logical architecture of system and method for recommending items.
Objective archetypes (104)
Mentors (120)
pp; 22 DwgNo 1/12

Title Terms: USER; REACT; PREDICT; METHOD; COMPUTER; BASED; **MARKET** ; SELECT; SET; USER; OBJECTIVE; PAIR; USER; PREDICT; RATE; ITEM; RATING
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

12/5/13   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014006815
WPI Acc No: 2001-491029/200154
XRPX Acc No: N01-363459
Personalized on-line shopping management method for electronic commerce, involves separating registered icon **from image displaying selected** icon **for each user**
Patent Assignee: FUJITSU LTD (FUIT)
Inventor: MURAKAMI K; NISHIYAMA S
Number of Countries: 002   Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2358497	A	20010725	GB 200018744	A	20000731	200154	B
JP 2001195495	A	20010719	JP 200092907	A	20000330	200156	

Priority Applications (No Type Date): JP 200092907 A 20000330; JP 99302689
  A 19991025
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
GB 2358497   A   83 G06F-017/30
JP 2001195495 A   33 G06F-017/60
Abstract (Basic): GB 2358497 A
        NOVELTY - A user is identified and registered **icon** which
    indicates information on goods or services is separated from an image
    including animation, sound or letters. The link between **icons**
    registered by different registrants is managed and the **icon** are
    dynamically registered or deleted for each user. The user selects an
    icon , so that the selected **icon** is displayed for each user in an
    individual on-line shopping environment.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Individual on-line shopping environment generation method;
        (b) Computer readable recording medium;
        (c) Individual on-line shopping constructing apparatus;
        (d) **Icon** operating method;
        (e) **Icon** operating apparatus;
        (f) Computer program
        USE - For electronic commerce such as on-line shopping, also for
    electronic chatting, electronic bulletin board, etc.
        ADVANTAGE - Since the **icon** which **represents** information on
    goods or services can be registered or deleted based on user, on-line
    shopping is performed efficiently by organizing only information on
    good or services required for a user. Since user can update the
    information on goods or services with respect to an **icon** registered
    by another user, the quality and quantity of information distributed by
    an **icon** is enhanced. A link between different registrants is provided
    so that overlapping of information is prevented, and **exchange** of
    information between **different** registrants is promoted. The **user** can
    grasp and alter delivery status of goods purchased in the on-line
    shopping. Hence the delivery date and time of the goods can be obtained
    without negotiating directly with a home delivery person.
        pp; ·83 DwgNo 0/26
Title Terms: LINE; SHOPPING; MANAGEMENT; METHOD; ELECTRONIC; SEPARATE;
  REGISTER; IMAGE; **DISPLAY** ; SELECT; USER
Derwent Class: T01
International Patent Class (Main): G06F-017/30; **G06F-017/60**
International Patent Class (Additional): G06F-003/00; G06F-013/00
File Segment: EPI

  12/5/14   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013956895   **Image available**
WPI Acc No: 2001-441109/200147
XRPX Acc No: N01-326345
  Transactional information displaying method for electronic trading of
  semi-fungible goods, involves displaying several book axes in single
  window to represent **orders placed for respective semi-fungible goods**
Patent Assignee: EPIT INC (EPIT-N)
Inventor: FRIESEN R W; KLIZAS M C
Number of Countries: 087 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200116852   A2 20010308 WO 2000US40797 A   20000830 200147 B
AU 200112500   A   20010326 AU 200112500   A   20000830 200147

Priority Applications (No Type Date): US 99151468 P 19990830
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200116852 A2 E   53 G06F-017/60

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY BZ CA CH
CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
TJ TM TR TT UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW
AU 200112500 A   G06F-017/60   Based on patent WO 200116852

Abstract (Basic): WO 200116852 A2
        NOVELTY - A **graphical** user **interface** (1200) **displays** separate
   book axes (1208) to **represent** orders placed for respective
   semi-fungible goods in same window (1204). Order **icons** (1220) are
   displayed along the book axes to **represent** bid and offer for the
   semi-fungible goods.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
   following:
        (a) user interface;
        (b) Computer readable medium;
        (c) Buying method of semi-fungible goods
        USE - For electronic **trading** of semi-fungible goods in **stock**
   market .
        ADVANTAGE - Since the **user** interface **displays** information about
    several semi-fungible goods on a single screen, a **trader** is allowed
   to view **markets** for the different semi-fungible goods simultaneously.
   Thereby **trading** decisions can be made quickly and efficiently.
        DESCRIPTION OF DRAWING(S) - The figure shows the screen shot of the
   user interface for **trading** semi-fungible goods.
        Graphical user **interface** (1200)
        Window (1204)
        Book axes (1208)
        Order **icons** (1220)
        pp; 53 DwgNo 12/15
Title Terms: INFORMATION; **DISPLAY** ; METHOD; ELECTRONIC; **TRADE** ; SEMI;
   FUNGIBLE; GOODS; **DISPLAY** ; BOOK; AXIS; SINGLE; WINDOW; **REPRESENT** ;
   ORDER; PLACE; RESPECTIVE; SEMI; FUNGIBLE; GOODS
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 12/5/15   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013948203   **Image available**
WPI Acc No: 2001-432417/200146
XRPX Acc No: N01-320477
   **Interactive computer implemented system for modifying financial
   investment program, has optimizer subsystem to analyze data in profiler
   service and financial advisor service to create proposed investment
   program**
Patent Assignee: ELECTRONIC MARKET CENT INC (ELMA-N)
Inventor: SALTZMAN B; SALTZMAN M J; VON KLEEK S A
Number of Countries: 090 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200122341   A1   20010329 WO 2000US40922 A   20000918 200146 B
AU 200112534   A   20010424 AU 200112534   A   20000918 200147

Priority Applications (No Type Date): US 99155483 P 19990923
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200122341 A1 E   24 G06F-017/60
   Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
   CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
   KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
   SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Abstract (Basic): WO 200122341 A1
        NOVELTY - Data input by customer are collected by a profiler
service (22). An optimizer subsystem (26) analyzes the data in profiler
service and financial advisor service (1), to create proposed
investment program. The interaction is managed by a contract management
service (30). Payments are received based on a devised financial
program through funds transfer service (10).
        DETAILED DESCRIPTION - A financial advisor service (1) comprises of
electronic database containing data regarding the investment
characteristics, parameters of professional investment manager, and
several investment products. A **customer** communicates with investor
or advisor using public and private networks through an electronic
network and delivery service (2) which has appropriate **display** and
data **representation** . A profiler service (22) comprises of electronic
database and applications necessary for interacting and collecting data
relative to investment objectives of customer. A proposed investment
program is created by an optimizer subsystem (26) comprising data
repositories containing application software for retrieving, analyzing
and matching the data in profiler service and financial advisor
service. A policy generator subsystem (28) and a policy management
subsystem have applications, database repositories and rules necessary
to generate investment policies and manage such policies in an
automated fashion. Interaction, negotiation, automated tracking and
retention of all investment policies are managed by a contract
management service (30) which allows verifiable checking and
non-repudiation of all interactions with system. Business rules and
multifaceted set of generic translation technologies for translating
from one to another using variety of transport mechanisms, are
maintained by a translation subsystem (36). A record keeping system
(38) comprises of applications, database, repositories, rules and
electronic data feeds necessary to accurately track individual
investments in a completely automated manner. A funds transfer service
for the customer to initiate, implement, pay and receive payments from
a devised financial program, along with the administrative functions
necessary to ensure timely processing of ·such transactions, is
provided. Automatic verification of proper purchase and allocation of
securities to be included in the financial investment program selected
by the customer, are implemented by a **trading** subsystem (34). Post
investment knowledge of the status of the acquired investment program
is provided by a performance subsystem (42). Integrity of the system is
insured to prevent improper disclosure by a security subsystem (44).
INDEPENDENT CLAIMS are also included for the following:
        (a) Financial investment program creation and modification method;
        (b) Automated system for financial transaction
        USE - For creating, acquiring and monitoring portfolios of
financial investments over a distributed computer network such as
Internet.
        ADVANTAGE - The customer obtains a cohesive, inclusive and
multifaceted investment plan from a number of professional expert
investment managers. The investor is allowed to monitor and update the
chosen investment program in real-time.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
interactive computer implemented system.
        Financial advisor service (1)
        Delivery service (2)
        Profiler service (22)
        Optimizer subsystem (26)
        Policy generator subsystem (28)
        Contract management service (30)
         Trading system (34)
        Translation subsystem (36)
        Record keeping system (38)
        Performance subsystem (42)

Security subsystem (44)
        pp; 24 DwgNo 1/1
Title Terms: INTERACT; COMPUTER; IMPLEMENT; SYSTEM; MODIFIED; FINANCIAL;
  INVESTMENT; PROGRAM; SUBSYSTEM; DATA; PROFILE; SERVICE; FINANCIAL;
  SERVICE; PROPOSED; INVESTMENT; PROGRAM
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

12/5/16   (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013831614   **Image available**
WPI Acc No: 2001-315826/200133
XRPX Acc No: N01-227026
  Financial data processing system for securities or commodities for
  traders , **involves integrating order information into single order book**
  and distributing and displaying combined order book to traders
Patent Assignee: LAVA TRADING LLC (LAVA-N); LAVA TRADING INC (LAVA-N)
Inventor: CHUTJIAN K P; KORHAMMER R A; RAFIEYAN K L
Number of Countries: 090 Number of Patents: 003
Patent Family:
Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200063814	A1	20001026	WO 2000US10803	A	20000420	200133	B
AU 200044803	A	20001102	AU 200044803	A	20000420	200133	
US 6278982	B1	20010821	US 99296096	A	19990421	200150	

Priority Applications (No Type Date): US 99296096 A 19990421
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200063814 A1 E 29 G06F-017/60
   Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
   CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
   KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
   SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200044803 A   G06F-017/60   Based on patent WO 200063814
US 6278982   B1   G06F-017/60

Abstract (Basic): WO 200063814 A1
      NOVELTY - A data communication unit receives order information from
   each participating alternate **trading** system. A converter converts the
   protocol of each communication unit, to a common system protocol. An
   integrator integrates the order information from each alternative
   trading system into a single order book and distributes the combined
   order book to **traders** , which is then displayed.
      DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
   financial data processing method.
      USE - For computer accessible **trading** system for **trading** and
   analyzing securities such as **stocks** , bonds, commodities, etc., and
   for integrating securities, **trading** information and order placement
   from electronic communication network (ECN) with other electronic
   exchanges .
      ADVANTAGE - The combined order information is displayed to customer
   in real time for selected security separately for bits and offers. Thus
   order information is sorted by price, placement time, volume and other
   available attributes as desired by **customer** . Enables placing orders
   from **several** participating electronic communication networks and
   electronic **exchanges** using single computer.
      DESCRIPTION OF DRAWING(S) - The figure shows the diagrammatical
   representation of financial data processing system.
      pp; 29 DwgNo 2/9
Title Terms: FINANCIAL; DATA; PROCESS; SYSTEM; SECURE; COMMODITY; INTEGRATE
 ; ORDER; INFORMATION; SINGLE; ORDER; BOOK; DISTRIBUTE; **DISPLAY** ;

COMBINATION; ORDER; BOOK
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 12/5/17   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013696827   **Image available**
WPI Acc No: 2001-181051/200118
Related WPI Acc No: 1999-610420; 2000-375012; 2000-375312
XRPX Acc No: N01-128992
 **Executing commercial transactions in a network system using visual link
 objects, involves using visual link objects to** represent **business
 transaction offered by vendor system to potential buyers through
 distributor**
Patent Assignee: QUICKBUY INC (QUIC-N)
Inventor: KNOWLTON K C; MILIEFSKY G S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6141006	A	20001031	US 99248563	A	19990211	200118	B
			US 2000478449	A	20000105		

Priority Applications (No Type Date): US 99248563 A 19990211; US 2000478449
 A 20000105
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6141006	A		45	G06F-017/60	Cont of application US 99248563
					Cont of patent US 6061057

Abstract (Basic): US 6141006 A
     NOVELTY - The method involves creating a visual link object (VLO),
 representing a business transaction, in a vendor system and
communicating the VLO to a distributor system (30B) through the
Internet. The distributor system presents the VLO to potential buyers
and communicates with the buyer system (32). The buyer system accesses
the contents of the VLO to recover data relating to the business
transaction.
     DETAILED DESCRIPTION - The VLO is a self-contained entity including
a displayable image, an appendix and a postscript. The displayable
image is arranged at the start of the VLO, and **represents** the
business transaction. The appendix follows the **display** image and
contains information relating to the business transaction including an
encoded data block. The business transaction can be completed by a
buyer independently of the vendor system. The postscript is near the
end of the VLO, and contains data relating to the VLO. The vendor
system, distributor system and buyer system are all connected through
the Internet.
     USE - Used in executing Internet-based electronic commerce business
transactions or buying and selling products and services between
 several   users and systems.
     ADVANTAGE - Can be implemented as data broadcast system for
selectively broadcasting data from a server system to a subscription
user of a buyer system. Can be implemented in a system for distributing
 graphical user **interface** (**GUI**) definitions for customizing
application programs from server system to buyer system. Allows buyer
to make purchasing decisions based on total cost of transaction and to
make adjustments and decisions as necessary. Prevents fraud or gaining
of unauthorized access to buyer data through use of counterfeited or
improperly altered VLO. Enhances seller's ability to create and update
catalogue, **display** or listing of items offered for **sale** . Allows
proactive marketing and advertisement of goods.
     DESCRIPTION OF DRAWING(S) - The figure is a block diagram of a
system utilizing the VLO for execution of business transactions.

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                Distributor system (30B)
                Buyer system (32)
                pp; 45 DwgNo 4/11
Title Terms: EXECUTE; COMMERCIAL; TRANSACTION; NETWORK; SYSTEM; VISUAL;
  LINK; OBJECT; VISUAL; LINK; OBJECT; **REPRESENT** ; BUSINESS; TRANSACTION;
  OFFER; VENDING; SYSTEM; POTENTIAL; BUY; THROUGH; DISTRIBUTE
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI
```

12/5/18   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

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013522382    **Image available**
WPI Acc No: 2001-006588/200101
XRPX Acc No: N01-004739
```
**Global synchronization unit for time and space stamping of input data
elements, connects input data element with time and space stamp data
element to produce time and space stamped input data**
```
Patent Assignee: REVEO INC (REVE-N); FARIS S M (FARI-I); FLANNERY J P
  (FLAN-I); HAMLIN G J (HAML-I)
Inventor: FARIS S M; FLANNERY J P; HAMLIN G J
Number of Countries: 090  Number of Patents: 003
Patent Family:
Patent No      Kind   Date      Applicat No    Kind   Date      Week
WO 200050974   A2   20000831   WO 2000US5093    A    20000228   200101  B
AU 200037102   A    20000914   AU 200037102     A    20000228   200101
US 20020026321 A1   20020228   US 99258573      A    19990226   200220
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Priority Applications (No Type Date): US 2000258573 A 20000225; US 99258573
  A 19990226
Patent Details:
Patent No   Kind Lan Pg   Main IPC     Filing Notes
WO 200050974  A2 E 340 G06F-000/00
    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
    KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
    SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200037102  A          G06F-000/00    Based on patent WO 200050974
US 20020026321 A1         G06F-017/60
```

Abstract (Basic): WO 200050974 A2
        NOVELTY - GPS receiver (170) automatically produces time and space
    (TS) stamp data element at each data sampling instant, on reception of
    GPS signals. Data elements **represent** TS coordinates of the global
    synchronization unit (GSU) with respect to global reference system.
    Input data element is added with TS element at each data sampling
    element so as to produce TS stamp input data element, which is stored
    in memory.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) internet based system;
        (b) TV based client machine;
        (c) method of registering contestant with internet based contest
    supporting system;
        (d) system for promoting and presenting web documents;
        (e) method of handling communication in multiplayer contest using
    multiple game servers;
        (f) method of enabling contestant to compete against **many** other
    clients ;
        (g) method of downloading encrypted query and start time to client
    machine;
        (h) method of characterizing the local clock on client machine and

synchronizing the **display** update cycle;

(i) method of presenting encrypted query to GSU enabled client machine;

(j) method of submitting time stamped contestant response to query presented to GSU enabled client machine;

(k) method of promoting contest over internet;

(l) method of synchronizing events in client machines;

(m) method of triggering event on client machine;

(n) system for performing an action on client machine;

(o) sub-system for creating and administering contests promoted by contest promoting system;

(p) set-top TV client machine;

(q) internet based method for enabling **bidders** ;

(r) internet based system for enabling **bidders** to compete in **bidding** ;

(s) internet based method for enabling **traders** to compete fairly in **trading** ;

(t) system and method of serving and receiving information over internet;

(u) system and method for electronically filing legal documents;

(v) system and method for receiving information from securities;

(w) system and method for electronic based on-line securities **trading** ;

(x) internet based method of securing computers communication network;

(y) internet based system for displaying information clues or instruction at particular instances along space time column;

(z) internet based system for collecting space time coordination of athlete or animal at particular instances along space time continuum;

(aa) internet based method and system for enabling operation of set top cable TV boxes;

(bb) internet based method and system for enabling/controlling the operation of portable host system;

(cc) internet based system for tracking an object;

(dd) internet based system for enabling operation of transportable digital media

USE - For time and space stamping of input data elements used in client-server type interworked computer systems like internet used for contest promotion, financial **trading** and **auction** supporting.

ADVANTAGE - Serving and receiving information over internet in connection with time constrained competitive processes, avoids problems of network latency and ensures microsecond accuracy.

DESCRIPTION OF DRAWING(S) - The figure shows block diagram of internet based system.

GPS receiver (170)

pp; 340 DwgNo 1/29

Title Terms: GLOBE; UNIT; TIME; SPACE; STAMP; INPUT; DATA; ELEMENT; CONNECT ; INPUT; DATA; ELEMENT; TIME; SPACE; STAMP; DATA; ELEMENT; PRODUCE; TIME; SPACE; STAMP; INPUT; DATA

Derwent Class: T01

International Patent Class (Main): G06F-000/00; **G06F-017/60**

File Segment: EPI

 12/5/19   (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012934090   **Image available**
WPI Acc No: 2000-105937/200009
Related WPI Acc No: 1998-465331
XRPX Acc No: N00-081349
  Contact intelligence data mining system for detecting contact pathway for access to public database
Patent Assignee: BOARDWALK AG (BOAR-N)
Inventor: BRUDERER O; DE L'ETRAZ P; FEES C M; FEES J R; HATCHER P
Number of Countries: 086 Number of Patents: 003

Patent Details:
```
Patent No  Kind Lan Pg   Main IPC      Filing Notes
WO 9964970    A1 E  85 G06F-017/60
```
   Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
   CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
   LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
   SL TJ TM TR TT UA UG UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
```
AU 9939515    A         G06F-017/60    Based on patent WO 9964970
EP 1086435    A1 E       G06F-017/60    Based on patent WO 9964970
```
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
   LU MC NL PT SE

Abstract (Basic): WO 9964970 A1
      NOVELTY - The public databases (102a-102c) containing data on
   members of various entities and private contact database (104c)
   containing data on personal contacts of user are accessed according to
   request from user through **GUI** . The accessed data are processed to
   generate contact pathway. The contact pathway that includes user's
   personal contacts and influence of **user** contacts among **plural**
   entities is displayed.
      DETAILED DESCRIPTION - The data in the public database is
   multinational data on members of board of directors of companies.
   INDEPENDENT CLAIMS are also included for the following:
      (a) contact intelligence data mining tool populating method;
      (b) disk for storing contact intelligence data mining tool
   populating software
      USE - For generating contact pathway for access of public database
   like university alumni club, political party organization, **trade**
   group, social club, military branch, member of legislature, company
   board of director.
      ADVANTAGE - Enables user to establish and present their contacts by
   presenting mixture of both public and private data. Facilitates
   display of contact pathway to enable user to reach desired contacts.
   Establishes relationship for contacts using public information. Enables
   access of different spheres of influences for different purposes by
   using public databases in single or in joint. Facilitates updating of
   private contact databases reliably. Facilitates protection of each
   individual's private data by providing various level of securities.
   Enables establishment of private link between persons or organizations
   within public database based on proprietary information. Enables
   generation of contact pathway which is graphical **representation** of
   relational patterns between user and entities in public/private
   databases. Enables usage of contact intelligence data mining tool by
   various users across WAN.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
   contact intelligence data mining system.
      Public databases (102a-102c)
      Private contact database (104c)
      pp; 85 DwgNo 26/29
Title Terms: CONTACT; INTELLIGENCE; DATA; MINE; SYSTEM; DETECT; CONTACT;
   PATH; ACCESS; PUBLIC; DATABASE
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): G06F-017/30
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

012566994   **Image available**
WPI Acc No: 1999-373101/199932
XRPX Acc No: N99-278476   .
   **Apparatus for determining behavior patterns of consumers and people
   looking for information**
Patent Assignee: CYBERMIND INTERACTIVE EURO MULTI-MEDIA-S (CYBE-N)
Inventor: HALBACH W R; RICHTER B; TIMM H; HALBACH W
Number of Countries: 025 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 921482	A2	19990609	EP 98101273	A	19980126	199932	B
DE 19801027	A1	19990617	DE 1001027	A	19980107	199932	
CA 2255195	A1	19990602	CA 2255195	A	19981202	199947	

Priority Applications (No Type Date): DE 1055473 A 19971202
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 921482	A2	G	7	G06F-017/60	

   Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
   LT LU LV MC MK NL PT RO SE SI

CA 2255195	A1	E		G06F-017/60	
DE 19801027	A1			G06F-015/163	

Abstract (Basic): EP 921482 A2
      NOVELTY - The apparatus uses a server system (11) which is
   connected to **several   client** systems (12) via a network structure
   (13). The Server provides a **virtual** reality which recreates everyday
   situations for the user (16). The **virtual** reality can be **represented**
   by the Client System (12). The client system has a navigation system
   (14) for passing through the **virtual** reality. Behavior choices are
   provided in the **virtual** reality. Communication choices are also
   provided in the **virtual** reality. A feedback system (15) analyses the
   behavior of the user (16) moving through the **virtual** reality relative
   to the choices.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS also cover a method of
   using the apparatus.
      USE - For **market** research etc.
      ADVANTAGE - Provides a high degree of immersion into the **virtual**
   world, where the user feels in their usual environment to ensure
   realistic results while being entertaining.
      DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of
   the apparatus.
      Open Community system (10)   .
      server system (11)
      client systems (12)
      network structure (13)
      navigation system (14)
      feedback system (15)
      user (16)
      user database (17)
      output (18)
      pp; 7 DwgNo 1/2
Title Terms: APPARATUS; DETERMINE; PATTERN; CONSUME; PEOPLE; INFORMATION
Derwent Class: T01
International Patent Class (Main): G06F-015/163; **G06F-017/60**
International Patent Class (Additional): G06F-003/00; G06F-019/00;
  H04L-012/16
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX   .

012240332   **Image available**
WPI Acc No: 1999-046439/199905
XRPX Acc No: N99-033856
  On-line sales automation system for insurance agents and agencies - has
  database linked to agents computers over internet with different products
  marked as linked to different policies by colour coding on graphical
  user interface
Patent Assignee: LIFEWEB LLC (LIFE-N)
Inventor: JACOB S S; KAPLAN J M; LIVINGSTON D R; MEYER E W
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
CA 2229674	A	19980821	CA 2229674	A	19980216	199905	B

Priority Applications (No Type Date): US 97804729 A 19970221
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 2229674	A		202	G06F-017/60	

Abstract (Basic): CA 2229674 A
      The system has several end users computers (104) connected over
  the internet (105) to a main sever (10) and database (102) through a
  carrier host (103). The main server has a processor that generates
  several action items (e.g. insurance policies) for the end users, these
  are displayed on the users computer screen as different visual
  indicators (colours; patterns; etc.) representing the status of each
  item. The user can select and interact with the information displayed
  using a conventional menu driven graphical interface . Each item has
  a menu of symbols defining components (e.g. different products) within
  each item, these are colour coded or follow the same pattern as the
  item they attach to.

      USE - For integrating e.g. insurance services and sales between
  insurance agents and agencies over world wide communications network
  e.g. internet or PSTN.

      ADVANTAGE - Obviates time consuming and complicated multitudes of
  paperwork and forms that apply to different insurance policies being
  sold under different condition in different countries and allows for
  easy marrying up of information on products offered for each policy.
      Dwg.1/100
Title Terms: LINE; SALE ; AUTOMATIC; SYSTEM; INSURANCE; AGENT; DATABASE;
  LINK; AGENT; COMPUTER; PRODUCT; MARK; LINK; COLOUR; CODE; GRAPHICAL; USER
  ; INTERFACE
Derwent Class: T01; W01
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): G06F-017/40
File Segment: EPI

 12/5/22   (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

010561594   **Image available**
WPI Acc No: 1996-058548/199606
Related WPI Acc No: 1999-214388
XRPX Acc No: N96-048802
  Universal electronic transaction card for storing and transmitting
  personal information - displays menus representing group of service
  institutions on touch sensitive display for selection by user to
  proceed with transaction using card
Patent Assignee: PITRODA S G (PITR-I); PITRODA S (PITR-I)
Inventor: PITRODA S G; PITRODA S
Number of Countries: 023 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9535546	A1	19951228	WO 95US7917	A	19950607	199606	B
US 5590038	A	19961231	US 94262307	A	19940620	199707	
EP 766852	A1	19970409	EP 95926598	A	19950607	199719	
			WO 95US7917	A	19950607		
JP 10502193	W	19980224	WO 95US7917	A	19950607	199818	
			JP 96502595	A	19950607		

Priority Applications (No Type Date): US 94262307 A 19940620
Cited Patents: US 4491725; US 4689478; US 4739295; US 4849614; US 4858121;
   US 4891506; US 4928001; US 5150420; US 5153842; US 5276311; US 5301105
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9535546	A1	E	60	G06F-017/60	

Designated States (National): BR CA CN JP MX RU
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5590038	A		31	G06F-017/60	
EP 766852	A1	E	1	G06F-017/60	Based on patent WO 9535546

Designated States (Regional): DE FR GB IT

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10502193	W		62	G06F-017/60	Based on patent WO 9535546

Abstract (Basic): WO 9535546 A
       The electronic transaction card (UET card) includes a memory (34),
an input and **display** unit (30), processing unit (33) and a
communications unit (38). The **display** is a touch sensitive **display**
which provides a number of menus to select the type of card to use for
a transaction. After the choice is made, a graphic image appears on the
display which looks like the face of the card, and includes the
account number, user's name, name of the credit card company and its
logo.
       Thereafter, the user presents the UET card to the point of **sales**
terminal for a **sales** transaction. The **sales** transaction information
is transferred and stored in the UET card by the point of **sales**
terminal to eliminate paper receipts and facilitate future storage,
verification and analysis.
       USE/ADVANTAGE - Storing, transmitting and receiving personal e.g
name, address, date of birth etc, accounting and transactional
information for e.g service institutions for identification, credit
transactions, bank transactions, licensing, registration etc, and
provides health care system using universal electronic transaction
cards.
       Dwg.3/31
Title Terms: UNIVERSAL; ELECTRONIC; TRANSACTION; CARD; STORAGE; TRANSMIT;
   PERSON; INFORMATION; **DISPLAY** ; MENU; **REPRESENT** ; GROUP; SERVICE;
   INSTITUTION; TOUCH; SENSITIVE; **DISPLAY** ; SELECT; USER; PROCEED;
   TRANSACTION; CARD
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): G06F-019/00; G07F-007/08;
   G07G-001/12
File Segment: EPI

 12/5/23   (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010044681   **Image available**
WPI Acc No: 1994-312392/199439
XRPX Acc No: N94-245955
   Electronic dealing system for foreign exchange **- performs matching
   processing of information on transaction orders placed by order side
   customers and buyer side customers to establish transactions**
Patent Assignee: FUJITSU LTD (FUIT); KOKUSAI DENSHIN DENWA CO LTD (KOKU
   ); MINEX CORP (MINE-N)

Inventor: ABE S; MATSUBARA ; YAMAMOTO Y; MATSUBARA H
Number of Countries: 002   Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2277177	A	19941019	GB 945298	A	19940317	199439	B
GB 2277177	B	19970910	GB 945298	A	19940317	199739	
US 5926801	A	19990720	US 94214749	A	19940318	199935	
			US 96626980	A	19960403		

Priority Applications (No Type Date): JP 9389741 A 19930416
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2277177	A		42	G06F-015/30	
US 5926801	A			G06F-017/60	Cont of application US 94214749
GB 2277177	B			G06F-017/60	

Abstract (Basic): GB 2277177 A
    The electronic dealing system sets a margin relative to the last
trade price, and calculates a decision price from the last **trade**
price and the set margin when the last **trade** price has been
determined. The system detects if a situation has occurred which is
disadvantageous to the customer under current **market** conditions with
respect to the price of the offered order by judging the relative size
of the price of the order placed by the order side customer and the
calculated decision price.
    An alarm is output when the system detects the occurrence of a
disadvantageous situation, such that the load on the customer is eased
and the customer can **trade** with more certainty.
    USE/ADVANTAGE – Ensuring greater certainty of transactions fro
customers. Reduced load on customer who doe not have to monitor
display screen continually.
    Dwg.1/16
Title Terms: ELECTRONIC; DEAL; SYSTEM; FOREIGN; **EXCHANGE** ; PERFORMANCE;
  MATCH; PROCESS; INFORMATION; TRANSACTION; ORDER; PLACE; ORDER; SIDE;
  CUSTOMER; BUY; SIDE; CUSTOMER; ESTABLISH; TRANSACTION
Derwent Class: T01
International Patent Class (Main): G06F-015/30; **G06F-017/60**
International Patent Class (Additional): G06F-157-00
File Segment: EPI

16/5/1   (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

07022001   **Image available**
MERCHANDISE ADVERTISING METHOD AND SYSTEM BY THREE- DIMENSIONAL CG MODEL

PUB. NO.:   2001-249633 [JP 2001249633 A]
PUBLISHED: September 14, 2001 (20010914)
INVENTOR(s):   ARAKI HIDEKI
APPLICANT(s): ARAKI HIDEKI
APPL. NO.:   2000-058488 [JP 200058488]
FILED: March 03, 2000 (20000303)
INTL CLASS: G09F-027/00; **G06F-017/60** ; G06T-017/00

ABSTRACT
PROBLEM TO BE SOLVED: To provide an advertising method which imaginarily
arranges merchandise, such as furniture and household electrical apparatus,
in a living house, etc., and is capable of recognizing and judging the
presence or absence of trouble in the arrangement of the merchandise.

SOLUTION: A trader of home sends 3D simulation software and a 3DCG model of
the house from his or her own personal computer 1 via a network 4 to a
personal computer 5 of a person for advertisement. The person for
advertisement installs the 3D simulation software in the personal computer
5 to build a virtual space and arranges the 3DCG **model** of the house
therein. A merchandise **trader** sends the 3DCG **models** of the merchandise
in the **virtual** space via the network 4 from a personal computer 2. The
person for advertisement arranges the 3DCG models of the merchandise within
the house model of the virtual space by interior and exterior design
simulation functions and is enabled to recognize such things as the
functions/performance of the merchandise can be exhibited or not, operation
is easy or not, and the trouble in living occurs or not. The person thus
makes judgment as to the purchase of the merchandise.

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16/5/2   (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06832743   **Image available**
AUTOMATIC AUCTION METHOD

PUB. NO.:   2001-060237 [JP 2001060237 A]
PUBLISHED: March 06, 2001 (20010306)
INVENTOR(s):   MORI MASAKATSU
               OGURA MASAHIRO
               TAKESHIMA MASAHIRO
               ARAI KENJI
APPLICANT(s): HITACHI LTD
APPL. NO.:   2000-226186 [JP 2000226186]
               Division of 08-233918 [JP 96233918]
FILED: September 04, 1996 (19960904)
INTL CLASS: **G06F-017/60**

ABSTRACT
PROBLEM TO BE SOLVED: To provide an automatic auction method with which an
auction participant has not to be in front of an auction terminal when an
auction is carried out by designating the highest allowable price on a
screen in a competition mode, producing the auction ordering information
including the allowable price and then transmitting the auction ordering
information to an auction execution terminal.

SOLUTION: A buyer client acquires the auction registering situation from an
electronic market server via a registering situation screen 51. An ordered

commodity list 511, i.e., a list of commodities which are ordered by the
buyers is displayed on the screen 51 together with the **icons** of an
auction ordering information **display** /correction button 512, an ordering
stop button 513, an **auction** result **display** button 514 and a button 515
which closes the screen 51 respectively. The list 511 shows a list of
commodities which are ordered. When the auction ordering information is
displayed/corrected, an object ordering commodity is selected from the list
511 and then the button 512 is pushed for displaying the auction ordering
information.

16/5/3   (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06587163   **Image available**
COMMODITY SALES DATA PROCESSOR

PUB. NO.:   2000-172956 [JP 2000172956 A]
PUBLISHED: June 23, 2000 (20000623)
INVENTOR(s):   TAKEUCHI MASANORI
               SATO KATSUHIKO
APPLICANT(s): TOSHIBA TEC CORP
APPL. NO.:   10-345457 [JP 98345457]
FILED: December 04, 1998 (19981204)
INTL CLASS: G07G-001/12; **G06F-017/60**

ABSTRACT
PROBLEM TO BE SOLVED: To improve the degree of appeal of the sales object
commodities to the customers while the commodity sales data are clearly
displayed by inputting digital commodity **sales** data to an operator
display and also inputting the **analog** commodity **sales** data to a
customer **display** via a switch.

SOLUTION: The commodity **sales** .data which are inputted to a two-output
control circuit 52 are divided into the digital commodity sales data Sd and
the analog commodity sales data Sa. The data Sa are outputted to a switch
67. Meanwhile, the expanded image data which are read out of an expanded
data storage means 58 by an MPEG image processing circuit 56 undergo the
digital/analog conversion via a converter 59. At the same time, the analog
expanded image data Sap are outputted to the switch 67, and the data Sap or
the data Sa can be inputted to a customer display 65 via the selective
changeover of the switch 67.

16/5/4   (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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05985949   **Image available**
REPRESENTATION METHOD IN SHOPPING MALL, AND INFORMATION PROCESSOR

PUB. NO.:   10-269049 [JP 10269049 A]
PUBLISHED: October 09, 1998 (19981009)   .
INVENTOR(s):   NANBA YASUHARU
               YANAGI KUNIHIRO
               SAKAO HIDEKI
               TOMITA TAMINORI
               AOSHIMA HIROKAZU
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   09-071275 [JP 9771275]
FILED: March 25, 1997 (19970325)

INTL CLASS: [6] G06F-003/14; G06F-003/14; G06F-013/00; **G06F-017/60** ;
               G06T-015/00
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.2
               (INFORMATION PROCESSING -- Memory Units); 45.4 (INFORMATION
               PROCESSING -- Computer Applications); 45.9 (INFORMATION
               PROCESSING -- Other)
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)

ABSTRACT
PROBLEM TO BE SOLVED: To notify users in an easy-to-understand way of sales
information, the rough scale and the prosperity state of each store, by
changing   the   **representation**   modes concerning the store   **displays**
 according to the **sales** or the access frequency of each store.

SOLUTION: An internet browser window 3, a store information display window
4, etc., are shown on a display device 1. At the same time, the sounds are
outputted through a speaker 2. The window 3 includes a shopping mall
display area 5, and the window 4 includes a store information display area
6. Then the information corresponding to a store 7 shown in the area 5 is
displayed in the area 6. In this a system, the **representation** modes
concerning the store **displays** are changed according to the **sale** or the
access frequency of each store.

   16/5/5   (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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05429768   **Image available**
INFORMATION DISPLAY DEVICE

PUB. NO.:   09-044568 [JP 9044568 A]
PUBLISHED: February 14, 1997 (19970214)
INVENTOR(s):   KOMATA MIKIO
APPLICANT(s):   KOKUSAI ELECTRIC CO LTD [000112] (A Japanese Company or
                Corporation), JP (Japan)
APPL. NO.:   07-198812 [JP 95198812]
FILED: August 03, 1995 (19950803)
INTL CLASS: [6] **G06F-017/60** ; G09G-003/20; G09G-005/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.9
                (COMMUNICATION -- Other)
JAPIO KEYWORD:R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes, LED)

ABSTRACT
PROBLEM TO BE SOLVED: To display market price information on stock prices
so that fluctuations of the market price information and their variation
widths can be known at a glance and brands having large variations in price
are easy to know by changing display colors and display areas according to
the fluctuations and variation widths of numeric data.

SOLUTION: The display part of the information display device consists of a
brand tag 1 **representing** a brand name (article name), a **market** price
information **display** part 2 which **displays** the **market** price
information corresponding to the brand name, and rise and fall display
parts 4a and 4b which display rise and fall information. The rise and fall
display parts 4a and 4b illuminate with area corresponding to variation
width when market price data such as stock price data received from a
central device vary exceeding a set width, and consist of LED dot matrixes
which can make a graphic display. The rise and fall display part 4a is a
red display part consisting of the dot matrix of red LEDs and illuminates
when a market price rises suddenly, and the rise and fall display part 4b
is a green display part consisting of the dot matrix of green LEDs and
illuminates when the market price falls.

   16/5/6   (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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05003452   **Image available**
SIMULATOR FOR PURCHASE AND SALE OF FOREIGN DEBT

PUB. NO.:   07-296052 [JP 7296052 A]
PUBLISHED: November 10, 1995 (19951110)
INVENTOR(s):   SHIOZAWA TOMONOBU
               NAKAGAWA MASATSUGU
APPLICANT(s): NEC SOFTWARE LTD [491061] (A Japanese Company or Corporation)
               , JP (Japan)
               NEC CORP [000423] (A Japanese Company or Corporation), JP
               (Japan)
APPL. NO.:   06-081234 [JP 9481234]
FILED: April 20, 1994 (19940420)
INTL CLASS: [6] **G06F-017/60**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT
PURPOSE: To provide materials for obtaining the portfolio of best
investment efficiency and to provide materials for judgement concerning the
timing of the sale and purchase of a debenture.
CONSTITUTION: A portfolio analytic part 1 calculates an analytic index for
recognizing the character and the feature of the portfolio. A screening
part 2 extracts the candidate of a virtual sale and purchase brand from the
portfolio of a debenture holding presently. A screening result output part
3 outputs the extracting result to a picture or a slip. A sale brand
register part 4 inputs sale brand information of virtual sale and their
dealing prices. A purchase brand register part 5 inputs purchase brand
information of virtual purchase and their dealing prices. A **simulation**
execution part 6 executes **simulation** based on the pieces of **virtual
sale** and purchase information. A **simulation** executing result output
part 7 compares evaluation results before and after these simulation and
outputs them to the picture and the slip.

16/5/7   **(Item 1 from file: 350)**
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014367272   **Image available**
WPI Acc No: 2002-187974/200224
XRPX Acc No: N02-142539
   **Time left display method for on-line auction involves obtaining user's
   computer time, auction computer time and auction end time and using them
   to calculate actual time left to end of auction which is displayed as
   icon**
Patent Assignee: DORR R C (DORR-I)
Inventor: DORR R C
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020016743 A1   20020207 US 2000178189   P   20000126 200224 B
                              US 2001759105   A   20010111

Priority Applications (No Type Date): US 2000178189 P 20000126; US
 2001759105 A 20010111
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020016743 A1   11 G06F-017/60   Provisional application US 2000178189
Abstract (Basic): US 20020016743 A1
        NOVELTY - User's computer current time obtained (410) and compared
     to auction computer time (430). Based on this comparison and **auction**
     end time, user's computer calculates and **displays** processor time left
     to end of **auction** (440). **Display** may be in form of **icon** .
        USE - For displaying time left to end of on-line auction (claimed).
        ADVANTAGE - Avoids confusion due to differences between user's
     processor time and auction computer time e.g. due to being in different

time zones.
        DESCRIPTION OF DRAWING(S) - Drawing is a flow diagram of the
    method.
        Obtain processor time (410)
        Compare to auction time (430)
        Display processor time left (440)
        pp; 11 DwgNo 4/8
Title Terms: TIME; LEFT; DISPLAY; METHOD; LINE; AUCTION; OBTAIN; USER;
    COMPUTER; TIME; AUCTION; COMPUTER; TIME; AUCTION; END; TIME; CALCULATE;
    ACTUAL; TIME; LEFT; END; AUCTION; DISPLAY
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/8   (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014349503   **Image available**
WPI Acc No: 2002-170206/200222
    Simulated   stock **investment method for** virtual   stocks **of unlisted
    enterprises in network system and computer readable recording medium
    storing thereof**
Patent Assignee: POSDAQ CO LTD (POSD-N)
Inventor: SHIN C H
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
KR 2001091792 A   20011023 KR 200013849   A   20000318 200222 B

Priority Applications (No Type Date): KR 200013849 A 20000318
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
KR 2001091792 A   1 G06F-017/60

Abstract (Basic): KR 2001091792 A
        NOVELTY - A **simulated   stock** investment method for the **virtual
    stocks** of listed enterprises in a network system and a computer
    readable recording medium storing thereof are provided not only to
    offer various benefits to cyber investors and listed enterprises but
    also to help them to understand the concept of a real stock market by
    using the virtual stocks of unlisted enterprises as the subject of
    trade.
        DETAILED DESCRIPTION - A server computer(14), installed in a
    company that provides a method to trade the virtual stocks of unlisted
    enterprises, is connected with a database(16). The server computer(14)
    is provided with a main program(140), a securities program(142), a
    profit rate assessment program(144), and other programs(146). User
    computers(10), linked with the server computer(14), are for cyber
    investors who want to understand a real stock market and to receive
    various benefits by participating in a simulated stock investment game.
    An information provider computer(20) providing various information to
    members is also linked with the server computer(14). The server
    computer(14), the user computers(10), a shopping mall computer(18), and
    the information provider computer(20) are connected through a
    network(12), such as the Internet. The database(16) is comprised of a
    member DB(162), a registered enterprise DB(164), and a member
    information DB(166).
        pp; 1 DwgNo 1/10
Title Terms: SIMULATE; STOCK; INVESTMENT; METHOD; VIRTUAL; STOCK; NETWORK;
    SYSTEM; COMPUTER; READ; RECORD; MEDIUM; STORAGE
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

014334294   **Image available**
WPI Acc No: 2002-154997/200220
XRPX Acc No: N02-117811
  Computer based virtual **reality** trading **system that** simulates
  virtual **environment of active** trading **floor has device for a number of**
  traders to interact and complete trades via their virtual trader persons
  on virtual trading floor
Patent Assignee: MELKOMIAN R (MELK-I)
Inventor: MELKOMIAN R; SARMA S
Number of Countries: 093   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200205182	A1	20020117	WO 2001US21377	A	20010706	200220	B

Priority Applications (No Type Date): US 2000216195 P 20000706
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200205182	A1	E	52	G06F-017/60	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
    KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
    RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200205182 A1
      NOVELTY - A device is provided for generating an interactive
virtual trading floor space and for generating virtual trader persons
corresponding to virtual images of the number of traders in it and for
supporting interactive trading between a number of the virtual trader
persons. A device is used for the number of traders to interact and
complete trades via their virtual trader persons on the virtual trading
floor.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:
      (a) a method for trading financial products in a virtual reality
environment
      (b) a computer trading system for trading financial product
      USE - In exchanging of various securities and commodities that
simulates in a **virtual** environment an active **trading** floor.
      ADVANTAGE - Creates a **virtual** environment that **simulates** a
trading floor, enables users to electronically use an open outcry
auction for trading securities and to participate on a virtual trading
floor environment utilizing the open outcry method, as a direct
substitute for an actual trading floor.
      DESCRIPTION OF DRAWING(S) - The drawing shows a view of a virtual
exchange floor according to the present invention.
      pp; 52 DwgNo 4a/8
Title Terms: COMPUTER; BASED; VIRTUAL; TRADE; SYSTEM; SIMULATE; VIRTUAL;
  ENVIRONMENT; ACTIVE; TRADE; FLOOR; DEVICE; NUMBER; INTERACT; COMPLETE;
  VIRTUAL; PERSON; VIRTUAL; TRADE; FLOOR
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

DIALOG(R)File 350:Derwent WPIX

014325531   **Image available**
WPI Acc No: 2002-146233/200219
  Business model **for operating** portal **system of internet** trade
  marketing or promotion by using web camera solution

Patent Assignee: KYEONG K M (KYEO-I)
Inventor: KYEONG K M
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind Date   Week
KR 2001085079 A   20010907 KR 200146658   A   20010801 200219 B

Priority Applications (No Type Date): KR 200146658 A 20010801
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
KR 2001085079 A   1 G06F-017/60   .

Abstract (Basic): KR 2001085079 A
       NOVELTY - An Internet **trade** marketing or promotion **portal**
    system operation business **model** is provided to enable companies or
    persons to perform a real time international trade marketing or
    promotion based on a worldwide Internet communication infrastructure,
    e.g. the IMT-2000.
       DETAILED DESCRIPTION - The system comprises an Internet camera, a
    camera server, a trade portal home page, and a web server. The Internet
    camera captures moving pictures. The camera server compresses the
    captured moving pictures and transmits the moving pictures over the
    Internet. The trade portal home page offers various trade services and
    enables member companies to perform a real time international trade.
    The web server operates the trade portal home page. The home page
    enables sellers to offer information on commodities and communicate
    views with buyers via e-mail. The request from the buyer can be checked
    or monitored by a real time. The buyer can also check a state of
    overseas branches, factories, warehouses or supply chains by a real
    time.
       pp; 1 DwgNo 1/10   .
Title Terms: BUSINESS; MODEL; OPERATE; PORTAL; SYSTEM; TRADE; MARKET;
   PROMOTE; WEB; CAMERA; SOLUTION
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/11   · (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014311695   **Image available**
WPI Acc No: 2002-132397/200218
XRPX Acc No: N02-099897
   System for creation of a virtual market place in which a system accesses
   a number of suppliers using a chip card containing data pertaining to him
   so that transactions can be made quicker and less troublesome
Patent Assignee: PROMEC SYSTEMS GMBH & CO KG (PROM-N); ALBERTSHOFER C
   (ALBE-I); HERZOG VON WUERTTEMBERG S K H E (VWUE-I); PRAEGNER S (PRAE-I)
Inventor: ALBERTSHOFER C; EBERHARD HERZOG VON WURTEMBERG; PRAEGNER S;
   HERZOG VON WUERTTEMBERG S K H
Number of Countries: 026 Number of Patents: 002
Patent Family:
Patent No   Kind Date   Applicat No   Kind Date   Week
EP 1172774   A1   20020116 EP 2000115148 A   20000712 200218 B
US 20020010650   A1   20020124 US 2001902851 A   20010710 200218

Priority Applications (No Type Date): EP 2000115148 A 20000712
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
EP 1172774   A1 G 13 G07F-007/10
    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI
US 20020010650 A1   G06F-017/60

Abstract (Basic): EP 1172774 A1

NOVELTY - System in which a user has a chip card or similar with a
memory for storage of user data. The system contain memory for
personalized user container data, i.e. data suitable for linking a user
to various suppliers (container partners) in a sales system. Either on
the card or elsewhere in the system is linking software logic that
links the user to the system and or container partners on the system to
further progress transactions etc. The software is based on the stored
user card data and the user container data stored in memory.
    USE - Chip card based e-commerce system in which a user accesses
the Internet or similar to undertake transactions with suppliers.
    ADVANTAGE - Use of a chip card with stored user data and associated
software enables a user to make a number of transactions with a number
of suppliers in a quick and trouble free manner.
    DESCRIPTION OF DRAWING(S) - Figure shows a general **depiction** of a
virtual   market place.
    user terminals (14a-d)
    central server (12)
    chip card reader. (20)
    pp; 13 DwgNo 2/3
Title Terms: SYSTEM; CREATION; VIRTUAL; MARKET; PLACE; SYSTEM; ACCESS;
  NUMBER; SUPPLY; CHIP; CARD; CONTAIN; DATA; PERTAIN; SO; TRANSACTION; CAN;
  MADE; QUICK; LESS; TROUBLE
Derwent Class: T01; T05
International Patent Class (Main): **G06F-017/60** ; G07F-007/10
International Patent Class (Additional): G07F-007/08
File Segment: EPI

 16/5/12   (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014267669   **Image available**
WPI Acc No: 2002-088367/200212
  Method for processing car stock through communication network
Patent Assignee: YOO D C (YOOD-I)
Inventor: YOO D C
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
KR 2001077091 A   20010817 KR 20004666   A   20000131 200212 B

Priority Applications (No Type Date): KR 20004666 A 20000131
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
KR 2001077091 A   1 G06F-017/60

Abstract (Basic): KR 2001077091 A
    NOVELTY - A method for processing a car stock through a
communication network is provided to perform an investment in stocks
with respect to all sorts of cars virtually by using a computer
communication network.
    DETAILED DESCRIPTION - A user accesses a web page of a car stock
company provided from a server computer and performs a log-in
process(21). The server computer confirms the user's ID and password
from user information being stored in a database and displays cyber
money possessed by the users on a user's computer(22). The user selects
a car classification for selecting an investment item(23) and selects
one car model out of the car classification(24). If the user clicks one
 model name out of a car classifying table, the server computer
displays information as all sorts of **stock   market** prices of the
model (25). The user writes wanted stock amount and money in an
application amount and money form(26). The user fulfills a
transaction(28) by clicking a purchase icon or a selling icon(27).
    pp; 1 DwgNo 1/10
Title Terms: METHOD; PROCESS; CAR; STOCK; THROUGH; COMMUNICATE; NETWORK
Derwent Class: T01

 16/5/13   (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014235107   **Image available**
WPI Acc No: 2002-055805/200207
XRPX Acc No: N02-041086
 **Customer constrained purchase choice on-line presenting system generates
 a view of goods modulated by data representing customer specific factors
 relating to goods available for purchase**
Patent Assignee: PAYLESS SHOESOURCE INC (PAYL-N)
Inventor: FRAZIER S; WELLS R
Number of Countries: 090 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200191019	A1	20011129	WO 2001US17127	A	20010525	200207	B
AU 200163461	A	20011203	AU 200163461	A	20010525	200221	

Priority Applications (No Type Date): US 2000579096 A 20000525
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200191019 A1 E   43 G06F-017/60
    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
    KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
    SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200163461 A   G06F-017/60   Based on patent WO 200191019

Abstract (Basic): WO 200191019 A1
        NOVELTY - A database stores data of goods available for purchase. A
    processor obtains data representing customer specific factors relating
    to goods available for purchase and generates a view of the goods
    modulated by customer specific factors.
        DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
        (a) Shoe inventory information processing system;
        (b) Shoe inventory search processing method
    USE - Used for on-line retail sales of goods such as footwear, etc.

        ADVANTAGE - The system ensures orders to be fulfilled with a high
    degree of certainty, since the customer browsing the **website** is
    presented with **representations** of goods presently in **stock** .
    Presenting the customer a view of available stock of products reduces
    opportunity for customer frustration. The initial customer view
    generated by on-line interaction with customer is maintained throughout
    the transaction to avoid customer encountering a choice in another
    category of goods that would raise the question of availability in the
    customers.
        DESCRIPTION OF DRAWING(S) - The figure shows a high level
    architectural drawing illustrating primary components of a customer
    constrained purchase choice on-line presenting system.
        pp; 43 DwgNo 1/4
Title Terms: CUSTOMER; CONSTRAIN; PURCHASE; CHOICE; LINE; PRESENT; SYSTEM;
  GENERATE; VIEW; GOODS; MODULATE; DATA; REPRESENT; CUSTOMER; SPECIFIC;
  FACTOR; RELATED; GOODS; AVAILABLE; PURCHASE
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

 16/5/14   (Item 8 from file: 350)

014219985   **Image available**
WPI Acc No: 2002-040683/200205
XRPX Acc No: N02-030159
  **Online delivery system of investor documents through computer networks,
  includes electronic dissemination and tabulation system to send
  information to investor system in correspondence to stock holdings of
  investor**
Patent Assignee: MEDIANT COMMUNICATIONS INC (MEDI-N)
Inventor: PURCELL J
Number of Countries: 094   Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010034680	A1	20011025	US 2000197602	P	20000418	200205	B
			US 2001760745	A	20010117		
WO 200180132	A2	20011025	WO 2001US12266	A	20010416	200205	
AU 200153520	A	20011030	AU 200153520	A	20010416	200219	

Priority Applications (No Type Date): US 2000197602 P 20000418; US
  2001760745 A 20010117
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010034680	A1		15	G06F-017/60	Provisional application US 2000197602

WO 200180132 A2 E   G06F-017/60
  Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
  CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
  KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
  RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
  Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
  IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200153520 A   G06F-017/60   Based on patent WO 200180132

Abstract (Basic): US 20010034680 A1
      NOVELTY - An electronic dissemination and tabulation (EDT) system
  delivers/receives information from investor system by hyperlink text,
  in response to a click on an **icon** on a **website** of the E- **broker**
  system (304). The EDT system sends information to investor system in
  correspondence to stock holdings of the investor recorded in database
  of E-broker system.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
  following:
      (a) Method for online information gathering from investors;
      (b) Method for online delivery of documents to investors and for
  receiving voting instruction from investors
      USE - For online delivery of documents to investors and receiving
  voting or tendering instructions from investors through computer
  network such as LAN, WAN, internet.
      ADVANTAGE - Since the EDT system is seamlessly and securely
  integrated into the client E-broker's website, remote administration of
  online delivery of materials to specific investors which have been
  authenticated into the E-broker's website is allowed and related
  instructions without investors to leave the website is processed.
      DESCRIPTION OF DRAWING(S) - The figure shows the general
  interaction of various parties system in the inventive system.
      E-broker system (304)
      pp; 15 DwgNo 3/5
Title Terms: DELIVER; SYSTEM; DOCUMENT; THROUGH; COMPUTER; NETWORK;
  ELECTRONIC; DISSEMINATE; TABULATING; SYSTEM; SEND; INFORMATION; SYSTEM;
  CORRESPOND; STOCK; HOLD
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): G06F-015/16
File Segment: EPI

16/5/15   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014197067   **Image available**
WPI Acc No: 2002-017764/200202
XRPX Acc No: N02-014145
  Behavior simulation method for high technology product or service
  consumers in telecommunications uses multi-agents allowing correlation at
  the global level for individual variables determining each data agent.
Patent Assignee: FRANCE TELECOM SA (ETFR); FRANCE TELECOM (ETFR)
Inventor: BEN S L; BOURON T; BEN SAID L
Number of Countries: 023 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200188779   A1   20011122 WO 2001FR1491   A   20010516 200202   B
FR 2809209   A1   20011123 FR 20006479   A   20000519 200202

Priority Applications (No Type Date): FR 20006479 A 20000519
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200188779 A1 F 79 G06F-017/60
   Designated States (National): CA JP NO US
   Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
   MC NL PT SE TR
FR 2809209   A1   G06F-017/60

Abstract (Basic): WO 200188779 A1
     NOVELTY - Method in which: (a) consumer behavioral primitives have
at least a condition represented by parameter for consumption habit;
(b) imitation represented by reproduction parameter for dominant value
of decision variable; (c) opportunism represented by parameter
reacting to virtual market stimuli; (d) caution regarding
attraction of innovative character of offer from product or service
group provided in the form of variable stimuli by behavioral model of
provider agent.
     DETAILED DESCRIPTION - A virtual market is formed by modeling
a real market . Behavioral simulation method for consumers by
multi-agent simulation in a virtual market framework. Method has
following stages:
     (a) establish for each consumer or consumer group a behavioral
model , from a number of consumer behavior primitives in the virtual
market frame. The primitives allow , using variable stimuli and as a
function of the primitives internal values, establishment for each
consumer or consumer group, a number of decision variables in the
virtual market frame; establish for each provider a behavioral
model provider agent from a number of provider behavioral primitives
in the virtual market frame. These primitives, from specific virtual
market data, generate a number of stimuli variables, addressed to a
group of consumer behavioral agent models , which produce a group of
dedicated decision variables in the virtual market frame;
represent at least in a literal form, the dedicated decision variables
in the virtual market frame, in the form of emergent phenomena,
representative of one or more behavioral tendencies for a group of
behavioral agents in the virtual market frame
     USE - For simulation of consumer behavior on a global basis.
     ADVANTAGE - Designed to allow simulation in a competitive market
for high technology telecommunication products or services using a
consumer behavioral model agent which defines elementary behavioral
rules allowing the simulation of individual consumer populations of at
least 1000, for classic data , normally available in commerce.
     DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram
illustrating the method of behavioral simulation for consumers
     stage for establishing for each consumer a consumer behavioral
agent (A)
     establishment of provider of provider behavioral agent model (B)

establishment of dedicated decision variables (C)
        decision variables (DDj,k)
        consumer behavioral agent (MCCj)
        behavioral primitives (PC)
        provider behavioral agent (MCFk)
        virtual market (MV)
        stimuli variables (Sk)
        pp; 79 DwgNo 1a/7
Title Terms: SIMULATE; METHOD; HIGH; TECHNOLOGY; PRODUCT; SERVICE; CONSUME;
    TELECOMMUNICATION; MULTI; AGENT; ALLOW; CORRELATE; GLOBE; LEVEL;
    INDIVIDUAL; VARIABLE; DETERMINE; DATA; AGENT
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

   16/5/16   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014070922   **Image available**
WPI Acc No: 2001-555135/200162
XRPX Acc No: N01-413112
    Electronic auction **system for purchasing used goods,** displays
    three-dimensional model **of goods for including goods in** auction
Patent Assignee: KAWAMURA E (KAWA-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind Date   Applicat No   Kind   Date   Week
JP 2001238232 A   20010831 JP 200047730   A   20000224 200162 B

Priority Applications (No Type Date): JP 200047730 A 20000224
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2001238232 A   6 H04N-013/00

Abstract (Basic): JP 2001238232 A
        NOVELTY - A three-dimensional model having information about shape,
    structure and specification of the goods is generated and transmitted
    through communication circuit. Goods are included in the auction by
    displaying their three-dimensional models.
        USE - For purchasing used goods.
        ADVANTAGE - The information about the goods included in the auction
    are transmitted to a person at a remote location easily.
        DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
    an auction server. (Drawing includes non-English language text).
        pp; 6 DwgNo 4/6
Title Terms: ELECTRONIC; AUCTION; SYSTEM; PURCHASE; GOODS; DISPLAY; THREE;
    DIMENSION; MODEL; GOODS; GOODS; AUCTION
Derwent Class: T01
International Patent Class (Main): H04N-013/00
International Patent Class (Additional): **G06F-017/60** ; G06T-001/00;
    G06T-017/00; H04N-005/262; H04N-007/173
File Segment: EPI

   16/5/17   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014064486   **Image available**
WPI Acc No: 2001-548699/200161
    Method for controlling internet auction system
Patent Assignee: KIM Y S (KIMY-I)
Inventor: KIM Y S
Number of Countries: 001 Number of Patents: 001
Patent Family:

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Patent No     Kind   Date      Applicat No    Kind   Date      Week
KR 2001029173 A      20010406  KR 9941838     A      19990929  200161  B
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Priority Applications (No Type Date): KR 9941838 A 19990929
Patent Details:
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Patent No  Kind Lan Pg   Main IPC      Filing Notes
KR 2001029173 A       1 G06F-017/60
```

Abstract (Basic): KR 2001029173 A
> NOVELTY - A method for controlling an internet auction system is
> provided to reduce distribution stage and distribution cost by selling
> at auction through the internet, to put a price according to quality
> and credit by standardizing physical distribution.
> DETAILED DESCRIPTION - A client connects to a server(300) through a
> client computer(100)(S1). The server(300) transmits an initial screen
> of an internet auction system to the client computer(100)(S2). The
> initial screen of the internet **auction** system **displays** items for
> joining member, a producer section item **icon** and a purchaser section
> item icon which the client is able to select. The server(300) compares
> and judges which item the client computer(100) selects among the items
> on the initial screen(S3).
> pp; 1 DwgNo 1/10
Title Terms: METHOD; CONTROL; AUCTION; SYSTEM
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/18   (Item 12 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2002 Thomson Derwent. All rts. reserv.

014038033   **Image available**
WPI Acc No: 2001-522246/200157
XRPX Acc No: N01-387046
 Shoe size scanner system has product query unit enters request for in
 stock information for scanned display shoe into remote scanner units and
 displays response obtained from central data processing unit
Patent Assignee: BARNETT S B (BARN-I)
Inventor: BARNETT S B
Number of Countries: 094 Number of Patents: 003
Patent Family:
```
Patent No      Kind  Date      Applicat No    Kind  Date      Week
WO 200154018   A1    20010726  WO 2001US1388  A     20010117  200157  B
AU 200134459   A     20010731  AU 200134459   A     20010117  200171
US 6343276     B1    20020129  US 2000484213  A     20000118  200210
```

Priority Applications (No Type Date): US 2000484213 A 20000118
Patent Details:
```
Patent No  Kind Lan Pg   Main IPC      Filing Notes
WO 200154018 A1  E   35 G06F-017/60
```
> Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
> CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
> KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
> RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
> Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
> IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
```
AU 200134459   A          G06F-017/60    Based on patent WO 200154018
US 6343276     B1         G06F-017/60
```

Abstract (Basic): WO 200154018 A1
> NOVELTY - A product query unit enters a request for in stock
> information for a scanned display shoe into remote scanner units and
> displays a response containing in stock information obtained from a
> central data processing unit (10) on the remote scanner units. A data
> communication unit provides data communication between fixed mount
> remote car code scanner units and a base unit (18).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a
shoe size scanning method.
     USE - For computer based inventory and sales system.
     ADVANTAGE - Permits retail **sales** clerks and customers to
ascertain whether shoe **display** **models** are currently in **stock** in a
particular shoe size without going to the stockroom and manually
searching the shelves.
     DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
the shoe size scanner system.
     Central data processing unit (10)
     Base unit (18)
     pp; 35 DwgNo 1/9
Title Terms: SHOE; SIZE; SCAN; SYSTEM; PRODUCT; QUERY; UNIT; ENTER; REQUEST
 ; STOCK; INFORMATION; SCAN; DISPLAY; SHOE; REMOTE; SCAN; UNIT; DISPLAY;
 RESPOND; OBTAIN; CENTRAL; DATA; PROCESS; UNIT
Derwent Class: T01; T04; T05
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/19   (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014028706   **Image available**
WPI Acc No: 2001-512920/200156
XRPX Acc No: N01-379775
  **Computer system for dynamically metering information, has processor
  database containing multiplicity of dimensions that are selected from
  group consisting of volume, freshness, quality, demand**
Patent Assignee: DATA JUNCTION CORP (DATA-N)
Inventor: BIRD C M P; GROSH G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6195646	B1	20010227	US 97855516	A	19970513	200156	B

Priority Applications (No Type Date): US 97855516 A 19970513
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6195646	B1		14	G06F-017/60	

Abstract (Basic): US 6195646 B1
     NOVELTY - A processor valuates metered information of pricing model
by dynamically applying several factors applicable to several
dimensions. The processor generates partial quotes associated with
model and determines price quote for metered information. Multiplicity
of dimensions are selected from group with volume, freshness, prior
dealings, enumeration, quality, competition, delivery, demand etc.
     DETAILED DESCRIPTION - A database has pricing models, multiplicity
of dimensions and factors applicable to dimensions. INDEPENDENT CLAIMS
are also included for the following:
     (a) Method for metering information;
     (b) Method for negotiating price for metered information;
     (c) Program storage device
     USE - Used for dynamically metering information during information
transaction.
     ADVANTAGE - Enables maintaining **sales** information solely with
purchaser's system. Employs an user friendly **graphical** **interface**
that simplifies production of pricing **models** and allows vendor to
accomplish difficult tasks of applying dimensional aspects with
factors. Facilitates creation of interface for information vendor,
allowing them to setup shop quickly with a minimum of computer
programming skills.
     DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram
computer network system and apparatus for employing valuational and
transactional features.

 16/5/20   **(Item 14 from file: 350)**

013991931   **Image available**
WPI Acc No: 2001-476146/200151
XRPX Acc No: N01-352421
   **Time variable auctioning method for varying period of auction on Internet
   involves knocking down auction object to seller inputting highest
   purchase price by server at end of auction period**
Patent Assignee: ECTOTAL CO LTD (ECTO-N)
Inventor: JANG Y H; CHANG Y
Number of Countries: 094 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200154014	A1	20010726	WO 2000KR888	A	20000810	200151	B
AU 200067349	A	20010731	AU 200067349	A	20000810	200171	
KR 2001075888	A	20010811	KR 20002800	A	20000121	200212	

Priority Applications (No Type Date): KR 20002800 A 20000121
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
WO 200154014	A1 E 34	G06F-017/60	

   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
   KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
   RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200067349	A	G06F-017/60	Based on patent WO 200154014
KR 2001075888	A	G06F-017/60	

Abstract (Basic): WO 200154014 A1
       NOVELTY - Avatars from a server are selected by a seller and a
   buyer before an **auction** starts. The selected **avatars** are displayed
   in **auction** site to **represent** the seller and buyer on the auction
   site. An auction object is then knocked down to the seller inputting
   highest purchase price by the server at the end of auction period after
   receiving and displaying purchase price input by the buyer in auction
   progress state.
       DETAILED DESCRIPTION - Selling data about a selling price and an
   auction period of the auction object from the seller to the server
   after contacting the seller to the auction site through a seller
   contact unit. The server stores the selling data and announces the
   selling data on the auction site. The buyer inputs the (purchase price
   to the server for an auction period after the buyer retrieves the
   selling data on the auction site. The server stores and announces the
   purchase price from the buyer on the auction.
       USE - For varying period of auction on Internet.
       ADVANTAGE - Guarantees efficient progress and reliability of
   auction by shortening period of auction in accordance with purchase
   price of a buyer, and by announcing a credit rating of auction
   participant on the auction site. Eliminates economical loss since it is
   capable of ending an auction even before an initial set auction period
   by varying a fixed auction period flexibly in order to progress an
   auction rapidly.
       DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the
   time variable auctioning method.

pp; 34 DwgNo 4/7
Title Terms: TIME; VARIABLE; METHOD; VARY; PERIOD; AUCTION; KNOCK; DOWN;
  AUCTION; OBJECT; INPUT; HIGH; PURCHASE; PRICE; SERVE; END; AUCTION;
  PERIOD
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/21   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013981460   **Image available**
WPI Acc No: 2001-465674/200150
XRPX Acc No: N01-345451
  **Virtual trading floor system in an interactive decision support system
  for monitoring and responding to system and market events displayed as a
  three-dimensional view**
Patent Assignee: NEW YORK STOCK EXCHANGE (NYST-N)
Inventor: ALLEN A E; HICKS M; SEGAL D
Number of Countries: 020 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200155968	A2	20010802	WO 2001US3066	A	20010131	200150	B
FR 2804526	A1	20010803	FR 20011340	A	20010131	200150	

Priority Applications (No Type Date): US 2000179296 P 20000131
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200155968	A2	E	35	G06T-011/20	

    Designated States (National): JP
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
    MC NL PT SE TR

| FR 2804526 | A1 | | | G06F-017/50 | |

Abstract (Basic): WO 200155968 A2
      NOVELTY - A dashboard (301) provided below a three-dimensional view
  of a virtual trading floor (202) displays two-dimensional numerical and
  symbolic information of interest and can be separated into a system
  dashboard (302), a user selected dashboard (303) and a business
  dashboard (304), while containers on the floor area contain
  three-dimensional graphical information of interest. A group container
  (308) graphically displays statistics for a group of stock or other
  items, while navigation and display settings are provided through a
  control station.
      DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a
  method and system for displaying data representing operation of an
  exchange.
      USE - Displaying a three-dimensional **model** of a **virtual
  trading** floor.
      ADVANTAGE - Allowing rapid assimilation of large amounts of
  information as events occur.
      DESCRIPTION OF DRAWING(S) - The drawing shows the system
      Dashboard (301)
      Virtual trading floor (202)
      Group container (308)
      pp; 35 DwgNo 3/9
Title Terms: VIRTUAL; TRADE; FLOOR; SYSTEM; INTERACT; DECIDE; SUPPORT;
  SYSTEM; MONITOR; RESPOND; SYSTEM; MARKET; EVENT; DISPLAY; THREE;
  DIMENSION; VIEW
Derwent Class: T01
International Patent Class (Main): G06F-017/50; G06T-011/20
International Patent Class (Additional): **G06F-017/60** ; G06T-017/00
File Segment: EPI

16/5/22   (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013956829   **Image available**
WPI Acc No: 2001-441043/200147
XRPX Acc No: N01-326279
    **Commodity virtual trading method in on-line network, involves committing
    purchase and sale transactions from trading entity to supplier and
    customer entities through network respectively using data interchange
    medium**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC);
    IBM UK LTD (IBMC)
Inventor: CHANG S L; CRABTREE M R; QUEK N
Number of Countries: 093 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200114994	A2	20010301	WO 2000GB3158	A	20000814	200147	B
JP 2001101314	A	20010413	JP 2000235141	A	20000803	200147	
AU 200067063	A	20010319	AU 200067063	A	20000814	200147	

Priority Applications (No Type Date): (SG 994128 A 19990819)
Patent Details:

Patent No	Kind Lan Pg	Main IPC	Filing Notes
WO 200114994	A2 E 47	G06F-017/00	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS KE
    KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO
    RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

| JP 2001101314 | A | 25 | G06F-017/60 | |
| AU 200067063 | A | | G06F-017/00 | Based on patent WO 200114994 |

Abstract (Basic): WO 200114994 A2
    NOVELTY - A sale order (432) for commodity is received from
customer entity through network at trading entity using data
interchange medium (450). A supplier entity of commodity is sourced by
trading entity dependent upon information on network. Purchase and sale
transactions of commodity are committed from trading entity to supplier
and customer entities through network respectively using data
interchange medium.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
    (a) Commodity Virtual trading apparatus;
    (b) Computer program product
    USE - For virtual trading of commodities between business entities
using networks such as Internet, intranet, extranet.
    ADVANTAGE - Enables trading of electronic components and the system
utilizes new business **model** implemented using information technology
to create **virtual** environment to buy, sell or **trade** commodities
over WWW of Internet.
    DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
virtual commodity exchange.
    Sale order (432)
    Data interchange medium (450)
    pp; 47 DwgNo 4/7
Title Terms: COMMODITY; VIRTUAL; TRADE; METHOD; LINE; NETWORK; PURCHASE;
    SALE; TRANSACTION; TRADE; ENTITY; SUPPLY; CUSTOMER; ENTITY; THROUGH;
    NETWORK; RESPECTIVE; DATA; INTERCHANGE; MEDIUM
Derwent Class: T01
International Patent Class (Main): G06F-017/00; **G06F-017/60**
File Segment: EPI

013905763   **Image available**
WPI Acc No: 2001-389976/200141
XRPX Acc No: N01-286893
   Auction **conducting method for** virtual   market **place i.e. e-commerce,**
   displays **graphical** representation **of buy, ask and series of**
   incremental bids along a scale
Patent Assignee: FARMS.COM LTD (FARM-N); FRITSCH D S (FRIT-I); TATGE J G
   (TATG-I)
Inventor: FRITSCH D S; TATGE J G
Number of Countries: 094   Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200140894	A2	20010607	WO 2000US32842	A	20001204	200141	B
AU 200125753	A	20010612	AU 200125753	A	20001204	200154	
US 20020023039	A1	20020221	US 99168816	P	19991203	200221	
			US 2000729574	A	20001204		
US 20020023038	A1	20020221	US 99168816	P	19991203	200221	
			US 2000729397	A	20001204		

Priority Applications (No Type Date): US 99168816 P 19991203; US 2000729397
   A 20001204; US 2000729574 A 20001204
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200140894 A2 E 34 G06F-000/00
   Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
   CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
   KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
   RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
   Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
   IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW
AU 200125753 A   G06F-000/00   Based on patent WO 200140894
US 20020023039 A1   G06F-017/60   Provisional application US 99168816

US 20020023038 A1   G06F-017/60   Provisional application US 99168816

Abstract (Basic): WO 200140894 A2
      NOVELTY - An image of scaled graph with incremental bid levels is
   displayed on screen. On the scaled graph, a spread bid levels between
   graphically displayed ask and buy bids are displayed. The scaled graph
   is reconfigured determined by a mathematical formula in response to the
   spread decreasing to a select quantity justifying a reallocation of an
   incremental bid.
      DETAILED DESCRIPTION - An INDEPENDENT claim is also included for a
   system for auctioning goods.
      USE - For virtual market i.e. e-commerce.
      ADVANTAGE - It reduces the opportunity for errors in entering the
   bid amount.
      DESCRIPTION OF DRAWING(S) - The figure illustrates monitor screen
   of a workstation through the different steps of an auction.
      pp; 34 DwgNo 3/12
Title Terms: AUCTION; CONDUCTING; METHOD; VIRTUAL; MARKET; PLACE; DISPLAY;
   GRAPHICAL; REPRESENT; BUY; ASK; SERIES; INCREMENT; BID; SCALE
Derwent Class: T01
International Patent Class (Main): G06F-000/00; **G06F-017/60**
File Segment: EPI

 16/5/24   (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013662569
WPI Acc No: 2001-146781/200115
XRPX Acc No: N01-107479
   Electronic payment system executes program, by which binary

representation **of total value of** virtual trade **paper present in other VVC's is brought out in system-VVC**

Patent Assignee: SIEVERDING WARNAU BV (SIEV-N)
Inventor: SIEVERDING J H J
Number of Countries: 094 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200074004	A2	20001207	WO 2000NL372	A	20000531	200115	B
NL 1012204	C6	20001204	NL 991012204	A	19990601	200115	
AU 200052557	A	20001218	AU 200052557	A	20000531	200118	
EP 1131797	A2	20010912	EP 2000937375	A	20000531	200155	
			WO 2000NL372	A	20000531		

Priority Applications (No Type Date): NL 991012204 A 19990601
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200074004	A2	E	15	G07F-007/00	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH
    CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE
    KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
    SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

NL 1012204	C6			G07F-007/10	
AU 200052557	A			G07F-007/00	Based on patent WO 200074004
EP 1131797	A2	E		G07F-007/08	Based on patent WO 200074004

    Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
    LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic): WO 200074004 A2
        NOVELTY - A program which brings about the binary **representation**
    in a system-VVC, of the total value of **virtual** **trade** paper present
    in other VVC's is provided. The whole or partial cancellation of a
    virtual trade paper or of a virtual guarantee concerning virtual trade
    paper in the VVC's can be performed.
        DETAILED DESCRIPTION - The system has a computer, multitude of
    virtual value carriers (VVC), processors, memories, buses and antenna
    for exchange of data which are protected from tampering. When virtual
    trade paper is transferred from one VVC to the other VVC, the binary
    representation of the code of origin of transferring/receiving VVC is
    written in the memory of receiving/transferring VVC in connection with
    the binary **representation** of the value of **virtual** **trade** paper
    transferred by the VVC. Based on the connection of a VVC with the
    system VVC, the binary representation of the system code is written in
    or canceled from the memory of the other VVC. When virtual trade paper
    is transferred from system-VVC to another VVC or vice-versa, the binary
    representation of transfer data as well as code of origin of the other
    VVC is stored on data carrier connected with the system-VVC.
        USE - For transfer of electronic valve between electronic pulses or
    electronic wallets in a casing or carrier.
        ADVANTAGE - Provides for an effective monitoring of the electronic
    money volume in circulation. Charging of the system costs to the user
    in ratio of their use, is performed. Applies to systems with which
    central manipulable registration of uploading and offloading
    transactions has been ensured in a different way.
        pp; 15 DwgNo 0/0
Title Terms: ELECTRONIC; PAY; SYSTEM; EXECUTE; PROGRAM; BINARY; REPRESENT;
  TOTAL; VALUE; VIRTUAL; TRADE; PAPER; PRESENT; SYSTEM
Derwent Class: T01; T05
International Patent Class (Main): G07F-007/00; G07F-007/08; G07F-007/10
International Patent Class (Additional): **G06F-017/60** ; G07F-019/00
File Segment: EPI

013514480   **Image available**
WPI Acc No: 2000-686426/200067
XRPX Acc No: N00-507477
Automatic negotiation procedure for purchasing goods and services in internet, involves offering discount incentive to user when neural network is not fulfilled by price offer
Patent Assignee: ACTIVEPOINT LTD (ACTI-N); FRIEDMAN M M (FRIE-I)
Inventor: BEN AVRAHAM G; SHEVCHENKO V; TAVOR O
Number of Countries: 090   Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200043853	A2	20000727	WO 2000US1667	A	20000127	200067	B
AU 200029709	A	20000807	AU 200029709	A	20000127	200067	
GB 2362007	A	20011107	WO 2000US1667	A	20000127	200169	
			GB 200118149	A	20010725		

Priority Applications (No Type Date): US 99317956 A 19990525; US 99236098 A 19990125
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200043853	A2	E	53	G06F-000/00	

    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
    KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE
    SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

| AU 200029709 | A | | | G06F-000/00 | Based on patent WO 200043853 |
| GB 2362007 | A | | | G06F-017/60 | Based on patent WO 200043853 |

Abstract (Basic): WO 200043853 A2
     NOVELTY - The price offer is compared with the starting price by a neural network. If the network is fulfilled by the price offer, the price offer of the user is accepted, else a discount incentive is offered to the user. If the price offer is lower than preset lower limit constant, the terminating condition is fulfilled to terminate the negotiation process.
     DETAILED DESCRIPTION - The price offer is selected from the group consisting of a refusal to purchase the product, a numerical price offer for the product and an agreement to purchase the product by the user. The discount incentive is selected from the group of price discount for the product, a present, a discount in cost of shipping the product and a benefit. The neural network is fulfilled substantially only if starting price of product is negotiable. An INDEPENDENT CLAIM is also included for method of interacting with user about a product.
     USE - For purchasing goods and services in internet without human intervention.
     ADVANTAGE - Enables to conduct one-to-one negotiations and provide intelligent interactions with a computer user for the purpose of securing a sale. Provides naturalistic communication with the user through the GUI, such that the user is able to interact with the **virtual sales representative** through natural language-based communication.
     DESCRIPTION OF DRAWING(S) - The figure shows schematic block diagram of negotiation process.
     pp; 53 DwgNo 1/7
Title Terms: AUTOMATIC; NEGOTIATE; PROCEDURE; PURCHASE; GOODS; SERVICE; OFFER; DISCOUNT; USER; NEURAL; NETWORK; PRICE; OFFER
Derwent Class: T01; T05
International Patent Class (Main): G06F-000/00; **G06F-017/60**
File Segment: EPI

 16/5/26   **(Item 20 from file: 350)**

013051510   **Image available**
WPI Acc No: 2000-223364/200019
XRPX Acc No: N00-167396
   **Providing electronic shoppers with a virtual shopping experience by
   creating customer-persona facilitating a personal association and
   involving a sales adviser or agent**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: GREEF A R; HRELIC D; SHUMACHER J F
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6032129   A   20000229 US 97924520   A   19970906 200019 B

Priority Applications (No Type Date): US 97924520 A 19970906
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6032129   A   10 G06F-017/60

Abstract (Basic): US 6032129 A
      NOVELTY - A shopper (205) provides input regarding the personal
   characteristics of the potential recipient of the intended purchase,
   which interact with persona and persona-catalog content affinities
   (204), creating an imaginary 'customer-actor' (206). The shopper
   further commissions a specific computer-based 'sales agent' (206A) to
   provide advice to the customer-actor based on the specific needs and
   shopping personality. The customer-actor provides advice on catalog
   navigation and product application and functions.
      DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for an
   electronic catalog and for a computer program product.
      USE - Providing electronic shoppers with a virtual shopping
   experience.
      ADVANTAGE - Advising on catalog navigation and providing
   personalized sales advice.
      DESCRIPTION OF DRAWING(S) - The drawing demonstrates the provisions
   of a **virtual** shopping experience for the **sales   representatives**
   and shopper
      Shopper (205)
      Contents affinities (204)
      Customer-actor (206)
      Sales agent (206A)
      pp; 10 DwgNo 2/6
Title Terms: ELECTRONIC; SHOPPING; VIRTUAL; SHOPPING; EXPERIENCE; CUSTOMER;
   FACILITATE; PERSON; ASSOCIATE; SALE; AGENT
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

 16/5/27   (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012965600   **Image available**
WPI Acc No: 2000-137451/200012
XRPX Acc No: N00-102755
   Virtual   sales   representative **system for on-line shopping via
   internet**
Patent Assignee: ACTIVEPOINT LTD (ACTI-N); ACTIVE-POINT LTD (ACTI-N);
   FRIEDMAN M M (FRIE-I)
Inventor: BEN A G; SHEVCHENKO V; TAVOR O; AVRAHAM G B
Number of Countries: 087 Number of Patents: 004
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
WO 200003329 A1   20000120 WO 99US14994   A   19990702 200012 B
AU 9949662   A   20000201 AU 9949662   A   19990702 200028
US 6070149   A   20000530 US 98109726   A   19980702 200033

EP 1092197   A1 20010418 EP 99933656   A 19990702 200123
                            WO 99US14994   A 19990702

Priority Applications (No Type Date): US 98109726 A 19980702
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 200003329 A1 E 136 G06F-017/00
    Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN
    CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
    LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK
    SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
    Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
    IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW
AU 9949662   A   G06F-017/00   Based on patent WO 200003329
US 6070149   A   G06F-017/60
EP 1092197   A1 E   G06F-017/00   Based on patent WO 200003329
    Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
    LU MC NL PT SE

Abstract (Basic): WO 200003329 A1
       NOVELTY - A sale engine unit (10) analyzes one answer of the user
    according to rule of E-shop (24), based on which another question is to
    be asked or type of product to be suggested to the user is determined.
    According to the answer from the user and rule base of E-shop, type of
    product being selected by the user is displayed, for guiding customer
    to target product.
       DETAILED DESCRIPTION - At least one question about the product is
    enquired to the user by an E-shop with rule base that interprets the
    answer of the user. A GUI (22) being displayed by computer, presents
    and receives one question and answer to and from the user to sales
    engine unit. The E-shop and sales engine unit send and receive data to
    and from GUI through web server protocol. The E-shop, sales engine unit
    and GUI are presented to the user through applet which is a stand-alone
    software program. INDEPENDENT CLAIMS are also included for the
    following:
       (a) method for secure transmission of number over network;
       (b) method for providing **virtual sales representative** for
    selling of a product.
       USE - For on-line shopping via internet, electronic sales,
    electronic commerce etc.
       ADVANTAGE - By guiding the customer to target product, the system
    will shorten the search cycle for the customer as well as find better
    matched products. Provides market advisory, suggestion, recommend,
    discussion, comment to the customer regarding the product, by enabling
    users to interact with the interactive sales representatives system via
    WWW for sales guidance.
       DESCRIPTION OF DRAWING(S) - The figure shows schematic block
    diagram of sales representative system.
       Sales engine unit (10)
       GUI (33)
       E-shop (24)
       pp; 136 DwgNo 1/22
Title Terms: VIRTUAL; SALE; REPRESENT; SYSTEM; LINE; SHOPPING
Derwent Class: T01
International Patent Class (Main): G06F-017/00; **G06F-017/60**
File Segment: EPI

011662616   **Image available**
WPI Acc No: 1998-079525/199808
XRPX Acc No: N98-063693
   **Computer aided auction bidding apparatus - includes user interface which
   includes icons which aid** auctioneer **during** auction **and visual**

display **which** displays **current** bidding **price in number of currencies**
Patent Assignee: VISUAL TECHNOLOGY PTY LTD (VISU-N)
Inventor: NOBLETT A P; ROSS R T; VOGEL M R
Number of Countries: 002   Number of Patents: 002   *(either one)*
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2315579	A	19980204	GB 9715805	A	19970725	199808	B
AU 9730141	A	19980205	AU 9730141	A	19970723	199813	

Priority Applications (No Type Date): AU 961237 A 19960725
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2315579	A		13	G06F-017/60	
AU 9730141	A			G06F-017/60	

Abstract (Basic): GB 2315579 A

The auction bidding apparatus includes a user interface for an auction controller to enter bid information into the computer system during an auction. The user interface includes a number of icons containing possible future bids for the auction, and icons which are to be activated when one of a group of events occurs, The events include the auction item being sold at the auction, the auction item being sold prior to the auction, the auction item being withdrawn by the seller, the auction item being passed in below a reserve, and the auction item having no bids from bidders at the auction.

A database holds lots of objects to be auctioned and the interface allows a user to conduct an auction for each lot. A visual display unit is connected to the computer system for displaying a current bidding price during the auction. The current bidding price is displayed in a number of currencies, along with bidding historical data for the auction.

ADVANTAGE - Recording of bids is streamlined and information is made available in many different formats to audience to increase possible pace of repetitive interaction and cognition between audience and auctioneer to increase levels of excitement and heighten tension to increase bidding price.

Dwg.1/3
Title Terms: COMPUTER; AID; AUCTION; BID; APPARATUS; USER; INTERFACE; AID; AUCTION; VISUAL; DISPLAY; DISPLAY; CURRENT;. BID; PRICE; NUMBER
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): G06F-019/00
File Segment: EPI

 16/5/29   (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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008791805   **Image available**
WPI Acc No: 1991-295820/199140
XRPX Acc No: N91-226576
 Computerised order management system for market brokers - uses broker
 work-station which selectively displays **order information,**
 representation **of order deck, and total** market **orders**
Patent Assignee: CHICAGO BOARD TRADE (CHIC-N); CHICAGO BOARD OF TR (CHIC-N)
Inventor: BROGAN J J; GUTTERMAN B J; PALENIK T; PANEK D; WU S; WU S R;
 PELENIK T
Number of Countries: 016   Number of Patents: .010
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9114231	A	19910919				199140	B
AU 9174932	A	19911010				199201	
EP 471063	A	19920219	EP 91906040	A	19910306	199208	
JP 4507159	W	19921210	JP 91506197	A	19910306	199304	
			WO 91US1595	A	19910306		
US 5297031	A	19940322	US 90489196	A	19900306	199411	

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AU 653147      B    19940922  AU 9174932   A    19910306  199439
EP 471063      A4   19930804  EP 91906040  A    19910000  199527
EP 471063      B1   19970730  EP 91906040  A    19910306  199735
                             WO 91US1595  A    19910306
DE 69127033    E    19970904  DE 627033    A    19910306  199741
                             EP 91906040  A    19910306
                             WO 91US1595  A    19910306
JP 3002532     B2   20000124  JP 91506197  A    19910306  200009
                             WO 91US1595  A    19910306
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Priority Applications (No Type Date): US 90489196 A 19900306
Cited Patents: 04 90320100; 04 94261600; Jnl.Ref; EP 388162; EP 434224; GB
   2165421; 00 9.Jnl.Re
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
WO 9114231   A   47
   Designated States (National): AU JP
   Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE
JP 3002532   B2   17 G06F-017/60   Previous Publ. patent JP 4507159
                                     Based on patent WO 9114231
EP 471063   A
   Designated States (Regional): DE FR GB
JP 4507159   W   G06F-015/21   Based on patent WO 9114231
US 5297031   A   17 G06F-015/20
AU 653147   B   G06F-015/21   Previous Publ. patent AU 9174932
                                     Based on patent WO 9114231
EP 471063   B1 E 22 G06F-017/60   Based on patent WO 9114231
   Designated States (Regional): DE FR GB
DE 69127033   E   G06F-017/60   Based on patent EP 471063
                                     Based on patent WO 9114231

Abstract (Basic): WO 9114231 A
      The system comprises a broker work station for managing orders in a
   market for trading commodities and other items, a device for
   selectively displaying order information (12), a computer for receiving
   the orders and controlling the displays; and an input device for
   entering orders into the computer.
      The display shows selected order information about each incoming
   order, a **representation** of the order deck (135) and total **market**
   orders (133). The work station also selectively **displays** order
   information incoming to the work station, accepts or rejects orders
   corresponding to the incoming order information displayed, **displays**
   accepted order information in a **representation** of a **broker** deck,
   and selectively **displays** a total of orders at the **market** price.
      ADVANTAGE - Reduction in paperwork and back office costs.
      Dwg.1/3
Title Terms: COMPUTER; ORDER; MANAGEMENT; SYSTEM; MARKET; WORK; STATION;
   SELECT; DISPLAY; ORDER; INFORMATION; REPRESENT; ORDER; DECK; TOTAL;
   MARKET; ORDER
Derwent Class: T01
International Patent Class (Main): G06F-015/20; G06F-015/21; **G06F-017/60**
File Segment: EPI

9/5/1   (Item 1 from file: 2)
DIALOG(R)File   2:INSPEC

7156173   INSPEC Abstract Number: B2002-02-7260-008
 Title: **Market trends in the projection display industry**
 Author(s): Dash, S.
 Author Affiliation: Stanford Resources Inc, San Jose, CA, USA
 Journal: Proceedings of the SPIE - The International Society for Optical
Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.4294   p.1-12
 Publisher: SPIE-Int. Soc. Opt. Eng,
 Publication Date: 2001 Country of Publication: USA
 CODEN: PSISDG ISSN: 0277-786X
 SICI: 0277-786X(2001)4294L.1:MTPD;1-6
 Material Identity Number: C574-2001-161
 U.S. Copyright Clearance Center Code: 0277-786X/01/$15.00
 Conference Title: Projection Displays VII
 Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol
 Conference Date: 24-25 Jan. 2001   Conference Location: San Jose, CA,
USA
 Language: English   Document Type: Conference Paper (PA); Journal Paper
(JP)
 Treatment: Economic aspects (E)

Abstract: The   projection   **display**   industry   **represents**   a
multibillion-dollar   **market**   that   includes   four   distinct technologies.
High-volume consumer products and high-value business products drive the
market, with different technologies being used in **different** application
markets. The **consumer** market is dominated by rear CRT technology,
especially in the projection TV segment. Rear LCD (liquid crystal display),
MEMS/DLP   (or   Digital   Light   Processing/sup   TM/)   and   LCOS
(Liquid-crystal-on-silicon) TVs are slowly emerging as future competitors
to rear CRT projectors. Front CRT projectors are also facing challenges
from LCD and DLP technology for the home theater market while the business
market is completely dominated by front LCD and DLP technology. Three-chip
DLP projectors have replaced liquid crystal light valves in large venue
applications where projectors have higher light output requirements. In
recent years front LCD and LCOS projectors have been increasingly competing
with 3-chip DLP projectors especially at the low end of the large venue
application market. Within the next five years the projection market will
experience very fast growth. Sales and presentation applications, which are
the fastest growing applications in the business market, will continue to
be the major driving force for the growth for front projectors, and the
shift in the consumer market to digital and HDTV products will drive the
rear projection market.
 Subfile: B
 Descriptors: consumer electronics; display devices; economics; marketing;
optical projectors
 Identifiers: projection display industry; market trends; consumer market;
rear CRT technology; projection TV segment; liquid crystal display; rear
LCD; LCOS projectors; front CRT projectors; DLP technology;
liquid-crystal-on-silicon
 Class Codes: B7260 (Display technology)
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 9/5/2   (Item 2 from file: 2)
DIALOG(R)File   2:INSPEC

7121520   INSPEC Abstract Number: C2002-01-1290D-120
 Title: **Monopoly and oligopoly led by an invisible hand**
 Author(s): Onozaki, T.; Yanagita, T.
 Author Affiliation: Dept. of Econ., Asahikawa Univ., Japan
 Conference   Title: Proceedings   Fourth   International   Conference   on
Computational   Intelligence   and   Multimedia Applications. ICCIMA 2001   p.
19-23

Editor(s): Verma, B.; Namatame, A.; Yao, X.; Selvaraj, H.; de Carvalho, A.; Ohuchi, A.
Publisher: IEEE, Los Alamitos, CA, USA
Publication Date: 2001   Country of Publication: USA   xi+433 pp.
ISBN: 0 7695 1312 3   Material Identity Number: XX-2001-02501
U.S. Copyright Clearance Center Code: 0-7695-1312-3/01/$10.00
Conference Title: Proceedings Fourth International Conference on Computational Intelligence and Multimedia Applications. ICCIMA 2001
Conference Date: 30 Oct.-1 Nov. 2001   Conference Location: Yokusika City, Japan
Language: English   Document Type: Conference Paper (PA)
Treatment: Theoretical (T)

Abstract: A simple **virtual market** economy is **simulated** , and the emergence of monopoly or oligopoly as a result of competition is shown, which traditional microeconomics fails to explain because it essentially lacks a dynamical structure. The model contains **many consumers** and producers, who are boundedly rational in the sense that they face the information limit and cannot calculate the optimum consumption or production. Therefore, they behave habitually or adaptively. Only a single commodity is produced and purchased, but there is the product differentiation that is described in the form of a consumer's habituation. A consumer has her favorite product and she always compares its price with a price of another product. She purchases her favorite commodity unless its price is too much higher than another's. A producer produces and sets a price on commodities so as to chase higher profit, not to maximize them. This profit-chasing behavior is described with the aid of the hill-climbing method: a producer revises his production and price to the direction where profit becomes higher. Monopoly or oligopoly emerges according to two key parameters, i.e., the robustness of the consumer's habit and the inertia of the producer's revision.
Subfile: C
Descriptors: adaptive systems; economic cybernetics; optimisation
Identifiers: monopoly; oligopoly; **virtual market** economy **simulation** ; competition; microeconomics; dynamical structure; information limit; optimum consumption; product differentiation; consumer habit; favorite commodity; higher profit; profit-chasing behavior; hill-climbing method; producer revision
Class Codes: C1290D (Systems theory applications in economics and business); C1180 (Optimisation techniques); C1240 (Adaptive system theory)
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9/5/3   (Item 3 from file: 2)
DIALOG(R)File   2:INSPEC
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6743713   INSPEC Abstract Number: B2000-12-6430-004
Title: Market trends in the projection display industry
Author(s): Dash, S.
Author Affiliation: Stanford Resources Inc., San Jose, CA, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3954   p.2-11
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 2000   Country of Publication: USA
CODEN: PSISDG   ISSN: 0277-786X
SICI: 0277-786X(2000)3954L.2:MTPD;1-E
Material Identity Number: C574-2000-157
U.S. Copyright Clearance Center Code: 0277-786X/2000/$15.00
Conference Title: Projection Displays 2000: Sixth in a Series
Conference Sponsor: IS&T; SPIE
Conference Date: 24-25 Jan. 2000   Conference Location: San Jose, CA, USA
Language: English   Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Economic aspects (E); General, Review (G)

Abstract: The projection **display** industry **represents** a multibillion-dollar **market** that includes four distinct technologies. High-volume consumer products and high-value business products drive the market, with different technologies being used in **different** application markets. The **consumer** market is dominated by rear CRT technology, especially in the projection television segment. But rear LCD (liquid crystal display) and rear reflective (DLP, or Digital Light Processing/sup TM/) televisions are slowly emerging as future competitors to rear CRT projectors. Front CRT projectors are still popular in the high-end home theater market. Front LCD technology and front DLP technology dominate the business market. Traditional light valve technology was the only solution for applications requiring high light outputs, but new three-chip DLP projectors meet the higher light output requirements at a lower price. In the last few years the strongest growth has been in the business market for multimedia presentation applications. This growth was due to the continued increase in display pixel formats, the continued reduction in projector weight, and the improved price/performance ratio. The projection display market will grow at a significant rate during the next five years, driven by the growth in ultraportable (<10 pound) projectors and the shift in the consumer market to digital and HDTV products. (1 Refs)
    Subfile: B
    Descriptors: cathode-ray tube displays; digital television; high definition television; liquid crystal displays; multimedia communication; optical projectors; television applications
    Identifiers: projection display industry; high-volume consumer products; consumer market; rear CRT; rear LCD; liquid crystal display; rear reflective television; DLP; digital light processing; front CRT projectors; home theater market; front LCD technology; front DLP technology; multimedia presentation; projection display market; ultraportable projectors; HDTV products
    Class Codes: B6430 (Television equipment, systems and applications); B6210R (Multimedia communications); B6220F (ISDN and multimedia terminal equipment); B4150D (Liquid crystal devices); B7260F (Display equipment and systems); B2360 (Electron beam scanned tubes)

9/5/4   (Item 4 from file: 2)

6532013   INSPEC Abstract Number: C2000-04-7480-146
    Title: **Virtual design as integral component of the virtual engineering concept**
    Author(s): Rix, J.; Schroeder, K.
    Author Affiliation: Fraunhofer Inst. for Graphic Data Process., Darmstadt, Germany
    Abstract: The article presents flow diagrams for world-wide distributed **virtual** engineering and refers to the STEP (Standard for **Exchange** and **Representation** of Product **Model** Data) system. **Virtual** engineering applications are described, including 3D and augmented reality, with images displayed on multiple projection screens. Applications of augmented virtual reality to simulation of assembly operations of automobile door mechanisms are discussed. It also discusses "tele-co-operation" between **users** in **different** locations and at different times, to provide advantages over physical prototypes. (4 Refs)
    Subfile: C
    Descriptors: augmented reality; digital simulation; electronic data interchange; engineering graphics; groupware; production engineering

computing
    Identifiers: flow diagrams; world-wide distributed virtual engineering;
STEP; virtual engineering; virtual design; 3D reality; augmented reality;
multiple projection screens; image display; assembly operation simulation;
automobile door mechanisms; tele-co-operation
    Class Codes: C7480 (Production engineering computing); C6130V (Virtual
reality); C6185 (Simulation techniques); C6130E (Data interchange); C6130G
(Groupware)
    Copyright 2000, IEE

    9/5/5   (Item 5 from file: 2)
DIALOG(R)File   2:INSPEC
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5883428   INSPEC Abstract Number: C9805-7120-017
    Title: **Electronic commerce-a comparative study of Web-based database
access**
    Author(s): Eberhardt, R.; Ruess, C.; Sinner, C.; Scherand, H.
    Author Affiliation: Daimler-Benz AG, Germany
    Conference Title: ISS'97: World Telecommunications Congress. `Global
Network Evolution: Convergence or Collision?'. Proceedings   Part vol.2
p.97-104 vol.2
    Publisher: Pinnacle Group, Toronto, Ont., Canada
    Publication Date: 1997 Country of Publication: Canada   2 vol.
(xxxiv+591+633) pp.
    Material Identity Number: XX97-03299
    Conference Title: Proceedings of ISS'97 International Switching Symposium
    Conference Sponsor: Alcatel Canada; Bell Canada; BC Tel; Island Telphone
Co.; Manitoba Telecom Serv.; et al
    Conference Date: 21-26 Sept. 1997   Conference Location: Toronto, Ont.,
Canada
    Availability: The Pinnacle Group, 2 Pardee Avenue, Suite 300, Toronto,
Ont. M6K 3H5, Canada
    Language: English   Document Type: Conference Paper (PA)
    Treatment: Practical (P)
    Abstract: The commercial use of the World-Wide Web (WWW) is gaining a lot
of attention by service providers of electronic **markets** . Potential
customers use their browser as a **graphical** · user **interface** (**GUI**) to a
high-quality multimedia **representation** of products and services. Beneath
this front-end lays a complex database containing a varying mixture of
graphics, text and even audio and video. Heavy traffic loads and regionally
different   consumer demands imply the use of distributed databases. The
recent development of CORBA products for Java allows the establishment of
distributed systems within the Internet and intranet. This, combined with
easier development of portable client software, makes the borders between
conventional distributed systems and the WWW disappear more and more. In
this context, the interface between the HTTP server and the database
systems is one of the technical key issues. This paper compares several
mechanisms   for   accessing multimedia database systems in terms · of
architectural   concepts, deployment scenarios and experiences with a
prototypical implementation. (14 Refs)
    Subfile: C
    Descriptors: business data processing; distributed databases; financial
data processing; graphical user interfaces; Internet; multimedia computing;
online front-ends
    Identifiers: electronic commerce; database access; World-Wide Web; WWW;
service providers; electronic markets; graphical user interface; GUI;
multimedia representation; front-end; traffic loads; distributed databases;
CORBA products; Java; Internet; intranet; portable client software; HTTP
server
    Class Codes: C7120 (Financial computing); C6160B (Distributed databases)
; C6180G (Graphical user interfaces); C7210 (Information services and
centres); C7250N (Front end systems for online searching); C6130M (
Multimedia)
    Copyright 1998, IEE

5658401   INSPEC Abstract Number: C9709-7170-009
  Title: **An agent-based computational model for the evolution of trade networks**
  Author(s): McFadzean, D.; Tesfatsion, L.
  Author Affiliation: Kumo Software Corp., Calary, Alta., Canada
  Conference Title: Evolutionary   Programming VI.   6th International Conference, EP97. Proceedings   p.73-83
  Editor(s): Angeline, P.J.; Reynolds, R.G.; McDonnell, J.R.; Eberhart, R.
  Publisher: Springer-Verlag, Berlin, Germany
  Publication Date: 1997 Country of Publication: Germany   x+456 pp.
  ISBN: 3 540 62788 X   Material Identity Number: XX97-00863
  Conference Title: Evolutionary   Programming VI.   6th International Conference, EP97. Proceedings
  Conference Sponsor: IEEE
  Conference Date: 13-16 April 1997   Conference Location: Indianapolis, IN, USA
  Language: English   Document Type: Conference Paper (PA)
  Treatment: Economic aspects (E); Practical (P); Theoretical (T)
  Abstract: This paper describes an agent-based computational **model** for studying the formation and evolution of **trade** networks in decentralized **market** economies. A **virtual** economic world is constructed, populated by heterogeneous endogenously interacting **traders** with internalized data and modes of behaviour. This **virtual** world can be used to study the formation and evolution of trade networks under alternatively specified market structures at three **different** levels of analysis: **individual** trade behaviour, trade interaction patterns, and social welfare. (7 Refs)
  Subfile: C
  Descriptors: commerce; cooperative systems; game theory; genetic algorithms; marketing data processing; socio-economic effects; software agents
  Identifiers: agent-based computational model; trade networks; evolution; decentralized market economies; virtual economic world; heterogeneous endogenously interacting traders; individual trade behaviour; trade interaction patterns; social welfare
  Class Codes: C7170 (Marketing computing); C6170 (Expert systems); C1290D (Systems theory applications in economics and business); C1180 (Optimisation techniques); C1140E (Game theory); C1230 (Artificial intelligence)

5456978   INSPEC Abstract Number: C9702-7440-030
  Title: **Virtual reality in an integrated construction environment**
  Author(s): Faraj, I.; Alshawi, M.
  Author Affiliation: Dept. of Surveying, Salford Univ., UK
  Conference Title: Information Processing in Civil and Structural Engineering Design   p.177-81
  Editor(s): Kumar, B.
  Publisher: Civil-Comp Press, Edinburgh, UK
  Publication Date: 1996 Country of Publication: UK   v+270 pp.
  ISBN: 0 948749 39 3   Material Identity Number: XX96-03589
  Conference Title: International Conference on Information Technology in Civil and Structural Engineering Design. Information Processing in Civil and Structural Engineering Design
  Conference Date: 14-16 Aug. 1996   Conference Location: Glasgow, UK
  Language: English   Document Type: Conference Paper (PA)
  Treatment: Practical (P)
  Abstract: The issue of the management of information within an Integrated

Computer Environment (ICE) must be addressed to ensure successful implementation of such environments. This paper briefly discusses a PC based integrated environment and highlights a distributed framework for VR integration with its main project model. As more applications are integrated more computer resources will be required. In order to improve the performance of the environment, the VR application is made to run on a separate PC from other applications. The two PCs are networked and information between the **VR** application and the project **models** can be **exchanged** over the network. Such approach enables **different** **users** at **different** locations to access the project data. (6 Refs)
   Subfile: C
   Descriptors: architectural CAD; building; virtual reality
   Identifiers: integrated construction environment; virtual reality; project model; distributed framework; VR integration; project data
   Class Codes: C7440 (Civil and mechanical engineering computing); C6130B (Graphics techniques)
   Copyright 1996, IEE

   9/5/8   (Item 8 from file: 2)
DIALOG(R)File   2:INSPEC
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5437579   INSPEC Abstract Number: C9701-7108-002
   Title: A CASE for electronic documentary dossier
   Author(s): Hung Wing; Colomb, R.M.
   Author Affiliation: Dept. of Comput. Sci., Queensland Univ., Brisbane, Qld., Australia
   Conference Title: Proceedings Sixth Australian Conference on Computer-Human Interaction   p.86-93
   Editor(s): Grundy, J.; Apperley, M.·
   Publisher: IEEE Computer. Soc. Press, Los Alamitos, CA, USA
   Publication Date: 1996 Country of Publication: USA   xv+351 pp.
   ISBN: 0 8186 7525 X   Material Identity Number: XX96-03375
   U.S. Copyright Clearance Center Code: 0 8186 7525 X/96/$05.00
   Conference Title: Proceedings Sixth Australian Conference on Computer-Human Interaction
   Conference Sponsor: Comput.-Human Interaction Special Interest Group of the Ergonomics Soc. of Australia
   Conference Date: 24-27 Nov. 1996   Conference Location: Hamilton, New Zealand
   Language: English   Document Type: Conference Paper (PA)
   Treatment: Applications (A); Practical (P)
   Abstract: This paper proposes a graphical UI, a CASE tool, for the purpose of specifying and representing trade information, common in electronic commerce. The semantic and structural information associated with trade instances can be extremely complex. Far example, the formal property of Petri nets can be used to represent the **different** **traders** ' roles or to identify the various trade procedures that will lead to deadlock situations. A simple and intuitive **graphical** user **interface** that can **represent** and characterize the organization of the **trade** documents is therefore considered useful in facilitating electronic commerce. (19 Refs)
   Subfile: C
   Descriptors: computer aided software engineering; document handling; graphical user interfaces; Petri nets; software tools
   Identifiers: CASE tool; graphical user interface; trade information; electronic commerce; structural information; semantic information; Petri nets; deadlock situations; electronic documentary dossier
   Class Codes: C7108 (Desktop publishing); C6110B (Software engineering techniques); C6115 (Programming support); C6130B (Graphics techniques); C6180G (Graphical user interfaces)
   Copyright 1996, IEE

   9/5/9   (Item 1 from file: 35)
DIALOG(R)File   35:Dissertation Abs Online

01705233 ORDER NO: AAD99-30793
MARKET MECHANISMS FOR NETWORK RESOURCE SHARING (DISTRIBUTED MARKET, PROGRESSIVE SECOND PRICE, AUCTION)
  Author: SEMRET, NEMO
  Degree: PH.D.
  Year: 1999
  Corporate Source/Institution: COLUMBIA UNIVERSITY (0054)
  Sponsor: A. A. LAZAR
  Source: VOLUME 60/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
        PAGE 2276. 144 PAGES
  Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL ; COMPUTER SCIENCE
            ; ECONOMICS, THEORY
  Descriptor Codes: 0544; 0984; 0511

     The theme of this thesis is the design and analysis of decentralized and distributed market mechanisms for resource sharing in multiservice networks. The motivation for a market-based approach is twofold. First, in modern multiservice networks, resources such as bandwidth and buffer space have **different** value to **different** **users** , and these valuations cannot, in general, be accurately known in advance as users compete against each other for the resources. Second, the network resources themselves are distributed, and often, not subject to any single authority.
     We present the Progressive Second Price auction (PSP), a new decentralized mechanism for allocating variable-size shares of a resource among **multiple** **users** . Under elastic demand, the PSP auction is incentive compatible and stable, in that it has a “truthful” &epsis;-Nash equilibrium where all players bid at prices equal to their marginal valuation of the resource. PSP is efficient in that the equilibrium allocation maximizes total user value. In a dynamic setting, we derive a bound on the time to converge to equilibrium, when users are using an optimal normal form strategy. We then extend the PSP auction to be applied by independent resource sellers on each element of a network with arbitrary topology, with players having arbitrary but fixed routing/provisioning constraints. We derive an optimal truthful strategy for coordinated bidding for a player participating in auctions on multiple resource elements, and show that the equilibrium and efficiency results still hold. We also show how our networked **auction** **model** can apply to **virtual** networks, **virtual** paths, edge capacity allocation networks.
     We then turn our attention to the problem of reservations and admission control for connection oriented network services. We propose a new approach to pricing of capacity in service systems with blocking, using spot and derivative market mechanisms. A second-price auction among arrivals grouped in batches gives rise to the <italic>spot market</italic> of usage charges. A reservation guaranteeing access for an arbitrary duration with a usage price below the bid can be made at any time before or during service, thus eliminating the risk—inherent to the spot market—of being dropped before service completion. We define the reservation as a <italic>hold option</italic>, which is analogous to derivative financial instruments (e.g. options, futures) integrated over time. Based on a heavy-traffic diffusion model for the corresponding two-stage queueing system, we compute the reservation fee as the fair market price of a hold option. We validate this approach with simulations driven by a real traffic trace at a dial-up Internet access modem-pool.
     Finally, we present a decentralized, distributed, flexible software architecture implementing the above pricing systems.

 9/5/10   **(Item 2 from file: 35)**

01698107 ORDER NO: AAD99-29269
THE DESIGN AND DEVELOPMENT OF HELPER, A CONSTRUCTIVIST LESSON PLAN WEB RESOURCE TO MODEL TECHNOLOGY INTEGRATION FOR TEACHERS (HOUSTON LESSON PLAN EXCHANGE AND RESOURCE)

Over the past several years information technology, especially computer technology, has altered the way many aspects of modern society function. However, one area that has not been as heavily influenced by the information revolution is education. For over 100 years the process of teaching in many classrooms has remained virtually unchanged. Some educators see considerable promise in the current generation of information technology, but the promise has not yet become a real influence on the daily professional practice of American teachers (OTA, 1995).

The purpose of this dissertation was to develop an electronic resource to help educators, particularly classroom teachers and preservice teacher education students, integrate technology into their curriculum. The resource is a **Web site** , the Houston Educator Lesson Plan **Exchange** and Resource (HELPER), which contains lesson plans as **models** for teachers.

The work developed here has been guided by the constructivist framework. More specifically, situated cognition in the tradition of Brown, Collins, & Duguid (1989) is used. Constructivist paradigms of teaching and learning are particularly appropriate at this point in the development of American society. The constructivist integration of technology into the classroom can provide teachers with the power to create, customize, and modify the learning environment in ways that empower and support student-centered learning. The shift from teacher-centered to student-centered learning models is particularly crucial in an era when knowledge will emerge many times over the lifespan of a student.

There are two aspects to the creation of the lesson plan Web site: the development of the lesson plans and the creation of the hypermedia Web site for the lessons. Both were created using a constructivist approach to instructional design. The design model used for the Web site was the Recursive, Reflective Design and Development Model (R2D2) (Willis, 1995). The model provided the beginning framework for a reflective, recursive design process that focused on a participatory team that shaped and molded the product. The development team had two types of members, experts and potential end **users** . **Several** types of data were gathered including interviews, observations, and debriefings; the formative data gathered was used in the successive revisions and reformations of the product.

   The buzz: ``enterprise information portal'' -- Want soundproofing? Read on
   Describes the offerings of BroadQuest Inc. of San Jose, CA, and ThoughtStar Inc. of Sandy, UT, as alternative approaches to the information sharing **model** touted by enterprise information **portals** (EIPs). Says

that BroadQuest's myEnterprise: **Sales** application provides account managers with a single view of live **customer** information from **multiple** back-end systems without a middleware layer. Explains that the myEnterprise: Sales is composed of three parts: Broker based on the Common Object Request Broker Architecture (CORBA), Redundant Array of Inexpensive Computers (RAIC), and the secure and scalable Portal. Mentions that ThoughtStar's QuickTeam 99 is a Java-based collaborative application designed for teams of up to 2,000 users and features a bundled Web server, database, customization options, and interoperability with existing groupware. (MEM)

   Descriptors: Portals; Information Management; Customer Support; Collaboration; Workgroup Computing; CORBA; Enterprise Computing

   Identifiers: myEnterprise: Sales; QuickTeam 99; BroadQuest; ThoughtStar

   9/5/12   (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00489688   98IE03-212
   Net's a breeding ground for free-market pricing
   Andrews, Whit
   Internet World , March 16, 1998 , v4 n10 p19, 1 Page(s)
   ISSN: 1081-3071
   Languages: English
   Document Type: Articles, News & Columns
   Geographic Location: United States
   BUYING & SELLING column foresees the eventual demise of the list price concept, compliments of the Internet. Says the rise of Internet auction sites is only a first step in a process that must eventually challenge business model-makers to learn the benefits of on-the-spot pricing. Notes the disappearance of a base price may cause considerable consternation for some **consumers** and **many** businesses, but says savvy merchants will position themselves to be competent in new, more complex economic **models** before they emerge. Concludes, ``Learning how to teach a **Web** **site** the alacrity that a **sales** **representative** can use to close a sale might change the way we buy and sell nearly everything.'' (JC)
   Descriptors: Electronic Commerce; Price; Internet

   9/5/13   (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00133358   DOCUMENT TYPE: Review

PRODUCT NAMES: Atlas Metaprise Software   (005291); TradeMatrix   (017396)

TITLE: What's in it for me? Saturn Electronics...find value-added services..
AUTHOR: Dilger, Karen Abramic
SOURCE: MSI,   v19 n8 p44(4) Aug 2001
ISSN: 0748-9488
HOMEPAGE: http://www.manufacturingsystems.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Joy Mining Machinery, a manufacturer and distributor of mining machinery, has developed the eMinePortal, a private trade exchange. The online exchange allows the mining industry to conduct transactions locate and purchase items, view inventory, and collaborate with one another. Users access the portal through a secure Web site, and can configure the portal to display news and content specific to their interests. The portal is powered by Atlas Commerce's Atlas Metaprise software, a trade exchange

system. Atlas gives the portal's users the ability to source vital parts quickly, and view inventory directly, without having to go through the purchase order process. The **portal** , like most private **trade** **exchanges** , uses a hub-and-spoke **model** , where a central hub company hosts the exchange and partner companies can connect to it via Web browsers. The Atlas software automates strategic sourcing and can manage complex negotiations between **multiple** **parties** . It works best with pre-established relationships. Hub enterprises and suppliers can also use i2 Technologies' TradeMatrix exchange solution to reach new marketplaces.

COMPANY NAME: Atlas Commerce Inc (682217); i2 Technologies Inc (539864)
SPECIAL FEATURE: Charts
DESCRIPTORS: Portals; Mining; E-Commerce; B2B Marketplaces
REVISION DATE: 20011230

9/5/14   **(Item 2 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00127695   DOCUMENT TYPE: Review

PRODUCT NAMES: LivePerson (025909)

TITLE: Live Internet Service Set To Capture Customer Attention
AUTHOR: Waltner, Charles
SOURCE: Information Week,   v815 p174(4) Dec 4, 2000
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

LivePerson, an application hosting service, provided World Wide Web site The Wedding List with a live chat application that assists in answering many questions from shoppers seeking gifts. Because The Wedding List's customer base is 'extremely **customer** -care intensive,' **many** consultants are available to chat with customers. Today, 85 percent of couples use the chat feature, and The Wedding List realized a 120 percent increase in **sales** when LivePerson's **icon** was added to the front **Web** **page** in June 2000. LivePerson has over 800 customers using a network of high- speed server clusters and uses Java messaging service among other technologies to assist in management of chat session flow. Many other companies are finding that live Internet customer service products can help retain customers and bring in new ones by providing live text chat (instant messaging), collaborative browsing, Internet telephony, page pushes, form sharing, and file pushes. Live chat is now the most widely used of those tools. E-mail and toll-free telephone lines are still the most universal customer service communication venue. However, online text chat rose significantly in 2000 with almost 33 percent of respondents to a survey saying they will offer online chat as a choice for customer communication in the 2000 end-of-year holiday season.

COMPANY NAME: LivePerson (683248)
DESCRIPTORS: Web Hosting; Electronic Customer Service; Conferencing;
    E-Commerce; Retailers
REVISION DATE: 20011130

9/5/15   **(Item 3 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00126371   DOCUMENT TYPE: Review

PRODUCT NAMES: Enterprise Application Integration (EAI) (841331); B2B

Marketplaces (842338)

TITLE: Digital Community eAI
AUTHOR: Creamer, Mark F
SOURCE: eAI Journal,   v2 n7 p70(4) Jul/Aug 2000
HOMEPAGE: http://www.eaijournal.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Common Object Request Broker (CORBA), Microsoft Component Object Model
(COM), Hypertext Transfer Protocol (HTTP), and XML are highlighted in a
discussion of the many tools available for business-to-business (B2B)
e-commerce. Increasing numbers of choices are available, especially in the
Internet-based procurement market. Although sell-side B2B emphasizes the
look and feel of a catalog and the relationship between distributor and
consumer, the buy-side view focuses more on the business model than
technology. Digital trading communities apply the application service
provider (ASP) **model** to B2B concepts to create a **portal** where **multiple
traders** have their activities coordinated. Some **portals** specialize in
particular products and also provide industry-specific services. A combined
catalog of products from many participating suppliers can be searched.
Shipping activities are coordinated with payment validation processes.
Topics covered include micro- and macro-process automation and communities
of common interest. Enterprise application integration (EAI) automates
internal processes so that businesses' responses to partners are faster and
can generate revenue-enhancing business events faster. EAI coordinates all
participating organizations and is deployed from the hub of a trading
community.

COMPANY NAME: Vendor Independent (999999)
SPECIAL FEATURE: Charts
DESCRIPTORS: Integration Software; Middleware; B2B Marketplaces; Business
    Models; E-Commerce; Communications Protocols; Enterprise Application
    Integration
REVISION DATE: 20010830

 9/5/16   (Item 4 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00125772   DOCUMENT TYPE: Review

**PRODUCT NAMES: SageMaker Financial Portal (018996); SageMaker 4.0
(019038)**

TITLE: SageMaker takes aim at financial services
AUTHOR: Staff
SOURCE: KM World,   v9 n6 p1(2) Jul/Aug 2000
ISSN: 1060-894X
HOMEPAGE: http://www.KMonline.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

SageMaker 4.0 is the engine in back of SageMaker's SageMaker Financial
Portal, which grants permission to view information based on a user's role.
SageMaker Financial Portal cuts costs because people sometimes must
subscribe to data that is not needed by everyone. SageMaker Financial
Portal solves a particular business problem by providing people with
targeted information quickly. Instead of requiring Wall Street **users** to
go to **multiple** dedicated connections to use various information sources,
including Primark and Bloomberg, they can get all the data streams needed
from SageMaker Financial **Portal** . SageMaker's target **market** for

SageMaker Financial **Portal** is the Wall Street employee who works off the **trading** floor. SageMaker currently uses an application service provider (ASP) **model** with over 300 separate news sources to which users can subscribe, along with research reports and many applications. SageMaker can also install its software on users' sites so that consultants and internal IT departments can construct gateways to internal data sources and use the SageMaker front end for displaying data. The SageWave 4.0 engine provides buss architecture, which is a new way to manage multiple databases. SageBuss de-couples front and back ends through a middleware layer. When a person enters a query, the query travels along the buss, and any resource connected to the buss alerts data using eXtensible Markup Language (XML), reports that data is available about that topic, then checks to see if the user is authorized to see it.

COMPANY NAME: SageMaker Inc   (655996)
DESCRIPTORS: Portals; ASP (Application Service Providers); Push Technology
    ; Intranets; News Services; XML; Stock Market; Financial Information
REVISION DATE: 20010430

 9/5/17   (Item 5 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00124531   DOCUMENT TYPE: Review

PRODUCT NAMES: Company - Oracle Corp   (850233)

TITLE: Oracle's ASP alteration
AUTHOR: Maselli, Jennifer
SOURCE: Information Week,   v791 p22(3) Jun 19, 2000
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Company

Oracle will reveal in the next few weeks that it will license enterprise applications to third-party application service providers (ASPs), although Larry Ellison said last year that Oracle would not do so. The Oracle Business OnLine unit shows signs it is searching for an appropriate model for profitable application delivery in the evolving ASP market. Oracle is becoming aware that customers want assistance with application integration and customization, and that Oracle's service and support could be better. Oracle, which is an ASP itself, is not the only one experiencing market pressures. A recent survey of users indicates that they are only moderately happy with their ASP services. When Oracle set up business online in 1998, its plan was to manage applications internally and to be the only vendor of Oracle applications. However, Oracle has decided to pre-integrate widely used third-party applications with its own, and will also provide some customization services. According to Oracle Executive VP Gary Bloom, the vendor will have branded Business OnLine partners and will optimize use of their data centers, infrastructure, and services. Partners will be allowed to sell applications other than Oracle's and can integrate **many** third-**party** applications and customize **GUIs** . Oracle's analysis of the ASP **market** , which resulted in the new business **model** , is explained.

COMPANY NAME: Oracle Corp   (010740)
SPECIAL FEATURE: Graphs
DESCRIPTORS: Software Marketing; ASP (Application Service Providers);
    Database Management; Oracle
REVISION DATE: 20000930

 9/5/18   (Item 6 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00123981   DOCUMENT TYPE: Review

PRODUCT NAMES: Telecommunications   (830210); Portals   (840564)

TITLE: Online portals offer bandwidth and voice services
AUTHOR: Turek, Norbert
SOURCE: Information Week,   v784   p148(4) May 1, 2000
ISSN: 8750-6874
HOMEPAGE: http://www.informationweek.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Telecom-services portals, such as Telezoo.com, Demandline.com, and Telco
Exchange, join buyers and sellers of bandwidth and voice services through
automated requests for proposals (RFPs) and quotes. They can also provide
collective buying power, which is especially attractive to many small
businesses. Many of these **portals** use the one-to-one **auction   model**   or
the **auction** -aggregator **model** , and others are exchanges that create
efficiencies for high-end bandwidth providers and customers by the sale and
provision of surplus bandwidth. Most of the sites offer their services free
to buyers, garnering their revenue from commissions from the sellers.
Telezoo.com was founded in 1997 and went online in 1999. It was created to
help telecom professionals make informed choices about networking hardware
and services. Demandline.com uses the reverse auction model that creates
the mass-purchasing power that gets the attention of large carriers, who
then bid for the business. Telco Exchange provides tools for large
customers   to obtain **several**   quotes in many locations, and the company's
tools have been licensed to UUnet and EarthLink.

COMPANY NAME: Vendor Independent   (999999)
DESCRIPTORS: Telecommunications; Portals; Auctions; Telephone Companies;
    B2B Marketplaces
REVISION DATE: 20010423

 9/5/19   **(Item 7 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00116285   DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle 8i   (004233)

TITLE: Oracle pushes envelope
AUTHOR: Biggs, Maggie
SOURCE: InfoWorld,   v21 n16   p1(2) Apr 19, 1999
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Oracle's highly recommended Oracle 8i database should be an upgrade for
every current user and high on the list of products under consideration by
new **users** . Oracle 8i provides **many** helpful additions and improvements
to basic database services, and tools that give enterprises the potential
ability to develop many applications in a better managed and secure
environment. Oracle 8i will offer long-term savings and revenue expansion,
but upgraders and purchasers should expect to spend some time learning to
deploy and use the database. Advantages include an integrated file system
and Java **virtual** machine; support for Enterprise JavaBeans, Common Object
Request **Broker** Architecture (CORBA), and Component Object **Model**   (COM);
World Wide Web content management; enhanced multimedia support; better

security policies; Java-enabled administration and installation; many foundational database updates; and extended platform support. Platforms supported include Windows NT, Solaris, OS/2, NetWare, UNIX, and over 70 others. Sites that require substantial control over World Wide Web content should consider using WebDB, which when used with Oracle 8i allows administrators to manage content creation and distribution tasks to eliminate network slowdowns.

PRICE: $1475

COMPANY NAME: Oracle Corp (010740)
SPECIAL FEATURE: Charts
DESCRIPTORS: Database Management; Program Development; Internet Utilities; Java; Integration Software
REVISION DATE: 20010330

9/5/20   (Item 8 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00115741   DOCUMENT TYPE: Review

PRODUCT NAMES: Sales Force Automation   (830415)

TITLE: Salesforce Automation Pays Off
AUTHOR: Garcia, Mary Ryan
SOURCE: Beyond Computing,   v8 n1 p40(4) Jan/Feb 1999
ISSN: 1061-9216
HOMEPAGE: http://www.beyondcomputingmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Sales force automation (SFA) is being fueled by the growing use of the Internet and corporate intranets. **Sales   representatives** now have access to **sales** data from a **Web   site** , and customers can view the status of their orders online with ease. New SFA tools help to give companies more control over their revenue streams, produce more successful leads, and make the most productive use of sales representatives. SFA gives organizations consolidated information, and the ability to easily and efficiently follow up on sales calls, sales reps, and customer leads. The process of sales force automation involves providing access to individual World Wide Web pages that have sales information appropriate to a particular customer, such as ship dates or order numbers. This Internet-based approach helped Equifax refine its own sales process. Their sales process may involve complex pricing and **multiple** technologies. **Several   people** within the organization may be involved, and sales force automation is the best way to take a group of employees with different skills from different locations and get them working together as a team. Another company automates functions normally performed by temporary employees, and expects to save thousands of dollars a year. The SFA software also helps its customer service efforts by automating more tasks and freeing brokers to spend more time with customers.

COMPANY NAME: Vendor Independent   (999999)
SPECIAL FEATURE: Charts
DESCRIPTORS: Sales Force Automation; Intranets; Internet Marketing; Electronic Customer Service; CRM
REVISION DATE: 20011130

9/5/21   (Item 9 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00098053   DOCUMENT TYPE: Review

PRODUCT NAMES: DS Modeler   (643076); DS Server   (643084)

TITLE: Interweave moves DSS to Web clients
AUTHOR: Perez, Juan Carlos
SOURCE: PC Week,   v13 n47 p33(2) Nov 25, 1996
ISSN: 0740-1604

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Interweave Software's DS Modeler and DS Server are intranet server-based
programs that allow fast implementation of decision support tools by **many
users** over a network. DS Modeler allows developers to map object
properties of relational data and to create Hypertext Markup Language
(HTML) templates. DS Server dynamically generates HTML streams from the
object model for analysis. The tools use Java to create an interactive
environment for processing live data in the browser, and can be installed
on a Web server or anywhere between the source database and the client, on
an intranet. Users can do querying and analysis, generate reports, and gain
access to other services linked to the Web server, including e-mail,
Virtual Reality **Modeling** Language (VRML), and other graphics tools. The
target **market** is those who want to extend access to their data repository
to a large number of regular **users** . **Several** vendors are developing
Web-native DSSs because native methods are superior to CGI scripts, are
more scalable, and provide users with query functions from their browsers.
An analyst says the tools are developer-centered and have powerful features
for generating and maintaining metadata.

COMPANY NAME: Cognos Corp   (027294)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Intranets; Decision Support Systems; Information Retrieval;
    Internet Utilities; Java; HTML
REVISION DATE: 20010430

   9/5/22   (Item 10 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00069500   DOCUMENT TYPE: Review

PRODUCT NAMES: vrTrader   (522741)

TITLE: A New Way to Monitor Your Financial Investments
AUTHOR: Dysart, Joe
SOURCE: Computer Graphics World,   v17 n9 p16(2) Sep 1994
ISSN: 0271-4159
HOMEPAGE: http://www.cgw.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Avatar Partners' vrTrader, a virtual reality application for stock traders,
allows users to see stocks, indices, futures, and options as 3D objects,
real-time graphs, and text. The multicolored objects change size as Wall
Street prices go up and down. A financial talkshow host describes the
product as the most graphically descriptive product available, one that can
make stock market proceedings palatable for the average user. Colorful pole
icons can be coded to show animated sequences, including spinning, flashes,
color changes, and sound. The market data comes from a data feed from data
Broadcasting, a California financial news service. According to an industry
analyst, the package is not for professional **traders** because they use
many monitors at the same time to display data.

COMPANY NAME: Dive Laboratories Inc (590118)
SPECIAL FEATURE: Photographs
DESCRIPTORS: **Virtual** Reality; Investment Analysis; **Stock** **Market** ;
    Stock **Brokers** ; Business Graphics; **Simulation**
REVISION DATE: 19951230

9/5/23 **(Item 11 from file: 256)**
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2002 Info.Sources Inc. All rts. reserv.

00062061   DOCUMENT TYPE: Review

PRODUCT NAMES: **TeleMagic Windows** **(013622)** .

TITLE: **TeleMagic runs rings around contenders**
AUTHOR: Marshall, Patrick
SOURCE: InfoWorld,   v16 n11 p77(4) Mar 14, 1994
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

TeleMagic's TeleMagic for Windows is a powerful sales-oriented contact
manager. Its extensive contact-tracking, and scheduling and phone features
make it one of the strongest Windows contact managers available. The
program is very customizable, and is used to create a custom contact
management application that can be used across a network. Its workgroup
features are noteworthy, and **multiple** **users** can access the program on a
server, and access each other's calendars. The powerhouse contact manager
may be too much for all but the most high-powered individual users; it is
more suited to workgroups. Record management is done at three levels, with
each record able to contain multiple pages of fields. The three levels are
represented as company, contact, and **sales** contracts. Scheduling tools
are well implemented, and users can **display** intervals between five and
sixty minutes. Alarms can be received even if TeleMagic is not running.

PRICE: $499

COMPANY NAME: Telemagic Inc (405108)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: CRM; Windows; IBM PC & Compatibles; Address Books; Scheduling
    ; Sales Force Automation
REVISION DATE: 20010430

9/5/24 **(Item 1 from file: 139)**
DIALOG(R)File 139:EconLit
(c) 2002 American Economic Association. All rts. reserv.

270385
TITLE: An Empirical Analysis of Internal and External Reference Prices
    Using Scanner Data
 AUTHOR(S): Mayhew, Glenn E.; Winer, Russell S.
 AUTHOR(S) AFFILIATION: U CA, Berkeley; U CA, Berkeley
 JOURNAL NAME: Journal of Consumer Research,
 JOURNAL VOLUME & ISSUE: 19 1,
 PAGES: 62-70
 PUBLICATION DATE: June 1992
 ISSN: 0093-5301
 DOCUMENT TYPE: Journal Article
 ABSTRACT INDICATOR: Abstract
 ABSTRACT: Single-source yogurt data are used to examine whether both
    internal and external reference prices affect purchase decisions.

Internal reference prices are memory-resident prices based on actual, fair, or other price concepts. External reference prices are observed stimuli, such as "regular prices", that stores may **display** along with a **sale** price for comparability. Discrete choice **models** with variables **representing** the two types of reference prices are estimated, and both types of variables are found to have significant effects on purchase probabilities. This suggests that **consumers** may use **multiple** reference points in evaluating price in purchase decisions. In addition, a model using an indicator of a sale price discount explains purchase probabilities as well as one that models the actual discount, which suggests that consumers may be reacting to the indication of savings rather than to the amount of the discount.

GEOGRAPHIC LOCATION DESCRIPTOR(S): U.S.

DESCRIPTOR(S) (1991 to Present): Marketing (M310); Consumer Economics: Empirical Analysis (D120)

DESCRIPTOR(S) (Pre-1991): Marketing and Advertising (5310); Consumer Economics--Expenditure Patterns and Consumption of Specific Items (9212); Consumer Economics--Living Standards, Composition of Overall Expenditures, and Empirical Consumption and Savings Studies (9211); Consumer Economics; Levels and Standards of Living--General (9210)

14/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01916614 05-67606
ITMA 99: Electronics quicken reaction
Isaacs, McAllister III; Rozelle, Walter N
Textile World v149n10 PP: 43-48 Oct 1999
ISSN: 0040-5213 JRNL CODE: TXW
WORD COUNT: 2183

...TEXT: software programs-PrimaVision, U4ia and ProStyle-fashion companies
can realistically create collection textiles and styles, **simulate** them in
virtual shops with 3DVM and electronically **exchange** ideas and designs
with **different** sites, suppliers and **customers** all over the world.

The new versions, presented at ITMA, will improve desi ners' creativity...

14/3,K/2   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01726573 03-77563
Vertical integration in global treasury management
Mitsos, Nicholas
TMA Journal v18n6 PP: 78-81 Nov/Dec 1998
ISSN: 1080-1162 JRNL CODE: JCG
WORD COUNT: 1707

...TEXT: market data services and dealers

Provides disaster recovery services

Facilitates real-time access to electronic **trading**   **portals** to the
global capital **markets** .

In the traditional "product"   **model** , the listed tasks are performed by
 multiple   **parties** , including software vendors, consultants, internal MIS
departments, treasury staffers, hardware vendors, communications carriers
and market...

14/3,K/3   (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01722906 03-73896
Selling to senior executives: Part 2
Bistritz, Stephen J; Gardner, Alston; Klompmaker, Jay E
Marketing Management v7n3 PP: 18-27 Fall 1998
ISSN: 1061-3846 JRNL CODE: MMA
WORD COUNT: 4894

...TEXT: to look beyond each individual sales opportunity and manage the
overall relationship. This means very **different** behaviors for the
 individual salesperson as well as a very different **model** for how to
work as part of a **virtual**   **sales** team. Without a robust process and
strong team leadership from the account manager, these relationships...

14/3,K/4   (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01655333 03-06323
Is there a future for futures?

Clow, Robert
Institutional Investor v32n6 PP: 53-61 Jun 1998
ISSN: 0020-3580 JRNL CODE: IL
WORD COUNT: 3008

...TEXT: are migrating inexorably to the electronic marketplace. The
inevitable result will be, in effect, a **virtual trading** floor, with no
particular ties or **resemblance** to today's swarming pits. The surviving
exchanges will become gateways to that **virtual** floor, distinguished by
service and brand image - newfangled concepts to **many** old hands.

Chicago **traders** have long had good reason to be arrogant about their way
of trading; they invented...

14/3,K/5   (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00723523 93-72744
Reengineering Wall Street's Systems
Schmerken, Ivy
Wall Street Computer Review v9n4 PP: 14-22 Jan 1992
ISSN: 0738-4343 JRNL CODE: WSC
WORD COUNT: 2516

...TEXT: of stocks, manage their work flow. Using Microsoft Windows on IBM
PS/2 workstations, OATS **resembles** a specialist book. A **trader** can
display   multiple windows to watch inventory, P&L and the order-entry
system--feeding orders from the...

14/3,K/6   (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00317426 86-17840
Using Flexible Software to Access Many Hosts from a Microcomputer
Held, Gilbert
Data Communications v15n4 PP: 165-174 Apr 1986
ISSN: 0363-6399 JRNL CODE: DCM

...ABSTRACT: incoming data. Once the hardware functions have been handled,
the software must be able to **mimic** higher-level protocols for **displays** .
The emulators on the **market** include packages designed for single,
multiple , and **user** -defined terminal emulations. For example, the
SmarTerm packages from Persoft Inc. allow IBM PC users...

14/3,K/7   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

06934474   Supplier Number: 58551483 (USE FORMAT 7 FOR FULLTEXT)
**medpool.com to Present at The Hambrecht & Quist 18th Annual Healthcare
Conference.**
PR Newswire, p0595
Jan 13, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 468

...   services. Because the company is a first mover in this concept,
medpool.com has filed **several** patents on its business **model** .
     Buyers purchasing power is pooled together in a **virtual trading**
floor to collectively purchase medical equipment, supplies and services for
the best prices. Selected sellers...

14/3,K/8   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06897164   Supplier Number: 58386762   (USE FORMAT 7 FOR FULLTEXT)
**iCongo.com Selects Calico eSales.com to Power Trading Exchange for
  International Sporting Goods.**
Business Wire, p1066
Dec 28, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 840

...   and order management for buyers and sellers of sporting goods.
Powered by Calico eSales.com, **iCongo** .com's **web   site** will facilitate
trade between **multiple** suppliers and **buyers** from catalogs featuring
multi-dimensional product attributes. This solution allows buyers to mix
and match...

14/3,K/9   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06811802   Supplier Number: 57609042   (USE FORMAT 7 FOR FULLTEXT)
**NextPlanetOver.com Builds a Home in Cybertown, Launches Cutting-Edge
  Virtual Object Tracking Campaign.**
Business Wire, p0161
Nov 17, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 763

...   system that monitors these interactive product placements.
     NextPlanetOver.com will be featured in Cybertown in **several**
innovative ways. First, **members** of Cybertown will be able to buy, sell
and **trade   virtual** posters that **represent** products available at
NPO.com. In Cybertown, each poster contains a link to NPO.com...

14/3,K/10   (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05685716   Supplier Number: 53340706   (USE FORMAT 7 FOR FULLTEXT)
Tomorrow's desktops today.(Industry Trend or Event)
O'Brien, Bill
Computer Shopper, p40(1)
Jan 15, 1998
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 210

...   the forest for the trees.
     Business PC buyers today face significant overlap in functionality
among **different   models** , even as the **personal** -computer **market**
displays a never-ending desire to absorb CPU and system designs intended
for business. Luckily, plenty...

14/3,K/11   (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04882987   Supplier Number: 47182739   (USE FORMAT 7 FOR FULLTEXT)

List Providers Leery About Offering Fulfillment Over The Web
Electronic Advertising & Marketplace Report, v11, n5, pN/A
March 4, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 841

...   Many of the larger companies, such as Metromail and American List
Counsel, are offering prospective **clients** the ability to see how **many**
names are available for certain **markets** through their **Web   sites** , but
leaving order fulfillment to personal **representatives** . Other companies,
such as Abacus, are splitting the difference and allowing clients to place
orders...

14/3,K/12   (Item 6 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04870415   Supplier Number: 47163495   (USE FORMAT 7 FOR FULLTEXT)
A NEW WORLD ORDER
Ostroff, Jim
WWD, v173, n40, p28S
Feb 28, 1997
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2478

...   in the U.S. due to proprietary technology, size and efficiency of
our plants here."
     Many U.S. manufacturers of **consumer** products have expressed
concern to the U.S. **Trade   Representative** that several developing
nations **virtually** sanction what amounts to industrial theft.
     There are other practical considerations for exporting, said Robert...

14/3,K/13   (Item 7 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)·
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04040572   Supplier Number: 45876091   (USE FORMAT 7 FOR FULLTEXT)
Trade secret: CIA was in Kantor's corner
Automotive News, v0, n0, p3
Oct 23, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 267

     Staff Reporter
     WASHINGTON - **Many   People** thought Mickey 'Bulldog' Kantor, the
feisty U.S. **Trade   Representative** , **virtually** willed July's **trade**
agreement with Japan. Now we learn that the trade **representative** had some
help - the kind that the Central Intelligence Agency is best qualified to
give...

14/3,K/14   (Item 8 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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03697705   Supplier Number: 45234028   (USE FORMAT 7 FOR FULLTEXT)
Married with Builders: Flooring Contractors Nail Down Big Profits by
   Partnering with Builders
Flooring, p20
Jan, 1995
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade

Word Count: 1629

...   a model home, or in a retail location referred by the builder.
     In the Houston **market** , Centex **displays** floor covering at **model**
homes. There, Centex **representatives** will meet with home **buyers** and
show the **different** grades of flooring available and the costs associated
with upgrading.
     'We found that if we...

   14/3,K/15   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

09916992   SUPPLIER NUMBER: 19934369   (USE FORMAT 7 OR 9 FOR FULL TEXT)
John Deere: reducing time-to-market with virtual prototypes.(Design in
   Context)
Machine Design, v69, n14, p138(2)
July 24, 1997
ISSN: 0024-9114   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 742   LINE COUNT: 00061

...   becomes a physical piece of equipment," says Rauch. "This is the
future of time-to- **market** ."
     The **virtual** reality (**VR**) **simulations** on Onyx(R) are instantly
comprehensible to non-technical **people** . " **Many** engineering tools such as
finite element analysis and computational fluid dynamics are exclusive to
the...

   14/3,K/16   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09407480   SUPPLIER NUMBER: 19280780   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Doors and windows: price-conscious consumers turn to retailers for
   maintenance expertise. (includes related article on fast-selling items)
Knoderer, Tony
Do-It-Yourself Retailing, v172, n3, p70(2)
March, 1997
ISSN: 0889-2989   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1183   LINE COUNT: 00097

TEXT:
     ...over their door and window purchases, the role of retailers is
becoming increasingly important. To **many** **consumers** -whether it's via
sales floor **displays** or personal expertise - retailers often **represent**
access to information that hasn't been supplied elsewhere.

   14/3,K/17   (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

09329128   SUPPLIER NUMBER: 19075635   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Virtual reality. (virtual model houses)(Cover Story)
O'Malley, Sharon
Builder, v19, n15, p48(5)
Dec, 1996
DOCUMENT TYPE: Cover Story   ISSN: 0744-1193   LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2178   LINE COUNT: 00167

...   of Newmark Home Corp. in Stafford, Texas. Newmark's Dallas,
Houston, and Austin neighborhoods have **virtual** **models** on **sales** office
computers inside their **model** homes.
     Sales reps also hand out **virtual** **models** on CD-ROM so **customers**

- **many** of whom have already walked through a physical model - can take another look once they...

14/3,K/18   (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

09293146   SUPPLIER NUMBER: 19033708   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Rethinking the role of recourse in the sale of financial assets.
Pantaleo, Peter V.
Business Lawyer, 52, n1, 159-198
Nov, 1996
ISSN: 0007-6899   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 22298   LINE COUNT: 01750

...   created by permitting a sale of a financial asset with recourse for collectibility is no **different** than that created when a **seller** gives a warranty of quality in the **sale** of any asset. **Virtually** every type of asset **sale** is accompanied by **representations** and warranties as to origin, quality, condition, and similar attributes. Such warranties serve not only...

14/3,K/19   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

08972332   SUPPLIER NUMBER: 18701823
Virtually home. (housing industry using virtual models and other computer
  technologies to design and market homes) (includes related article on
  using 3D floor plan software) (Industry Trend or Event)
Vrana, Debora
Los Angeles Times, v115 , Mon ed, col 1, pD1
Sep 23, 1996
ISSN: 0458-3035   LANGUAGE: English   RECORD TYPE: Abstract

ABSTRACT: The housing industry is increasingly using virtual **models** and other computer technologies to design and **market** homes. Builders are utilizing **virtual** **models** to allow buyers to preview 3D mock-up dwellings. **Many** systems also permit **buyers** to partake in the design of their houses by altering floor plans and other design...

14/3,K/20   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00906517
W Europe: The data communications equipment market will grow 17%/yr to
    $609mil by 1986 vs $293mil in 1981, and be dominated by AT&T and IBM by
    1990.
Data Processing   February, 1983   p. 30,31

     ... Omnimode, featuring software-driven control, touch-sensitive switch setting of parameters and an 8 digit **display** . In the multiplexer **market** , outdated products exist alongside more cost-effective **models** , with the latter experiencing very rapid growth as **users** see the benefit of **multiplexing**   **several**   signals into a single datastream over one line. Low-end, microprocessor-controlled statistical multiplexers will...

14/3,K/21   (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

01462420   SUPPLIER NUMBER: 11555024   (USE FORMAT 7 OR 9 FOR FULL TEXT)

Windows 3.0. (Microsoft Corp.'s graphical user interface) (Software Review) (one of five evaluations of graphical user interfaces) (Evaluation)
Reed, Sandy
PC-Computing, v4, n12, p159(2)
Dec, 1991
DOCUMENT TYPE: Evaluation   ISSN: 0899-1847   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 578   LINE COUNT: 00045

ABSTRACT: Microsoft Corp's $149 Windows 3.0 is the most popular **graphical** user **interface** (**GUI**) on the **market** and uses the desktop as a **metaphor** for application and file manipulation. **Users** are able to run **several** applications at once and move data among them. Evaluators were able to complete 68.5...

14/3,K/22   (Item 1 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2002 American Banker. All rts. reserv.

0039525
A Question of Independence
American Banker - May 7, 1985, Tuesday; Pg. 1
WORD COUNT: 1,834

BYLINE:
By SANFORD ROSE

TEXT:
... against poor Peat. Such a consolidation is not without its ironies. The FDIC abominates money **brokers** , sometimes **represented   virtually** as archfiends.   In **many   people** 's minds, Penn Square epitomizes the worst abuses of the money-brokerage function. Yet the...

14/3,K/23   (Item 2 from file: 625)
DIALOG(R)File 625:American Banker Publications
(c) 2002 American Banker. All rts. reserv.

0039348
A Question of Independence
American Banker - May 7, 1985, Tuesday; Pg. 1
WORD COUNT: 1,834

BYLINE:
By SANFORD ROSE

TEXT:
... against poor Peat. Such a consolidation is not without its ironies. The FDIC abominates money **brokers** , sometimes **represented   virtually** as archfiends.   In **many   people** 's minds, Penn Square epitomizes the worst abuses of the money-brokerage function. Yet the...

```
 13/3,K/1      (Item 1 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.
```

02702234 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Covering New Ground
(Worldwide shipments of LCDs will grow from $8,717 mil in 2000 to $10,769
  mil in 2001; there is a trend toward larger, higher-resolution LCDs)
Electronic Buyers News, p 42
January 31, 2000
DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1925

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...class" (exact panel sizes vary by manufacturer) is becoming increasingly
popular for notebooks, it also **represents** a "crossover point" for LCDs
entering the fertile **market** for desktop and workstation monitors, Maunu
said.

Larger **displays** -mostly single panels, but in one case a seamless
composite of **several** -are also wooing industrial **consumers** in such
fields as medical equipment, financial centers, point-of-sale terminals,
and kiosks.

Today...


```
 13/3,K/2      (Item 2 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.
```

02638464 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Cover Story - Part 4 of 4: CDW Keys Up Profits
(CDW Computer Centers keeps overhead costs down by obtaining most of its
  sales from Internet, phone, and fax; sales rose to $1,733,489,000 in 1998
)
Chain Store Age Executive, v 75, n 11, p 68+
November 1999
DOCUMENT TYPE: Journal; Cover Story; Company Overview ISSN: 0193-1199 (
United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1195

 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...unique visitors. In the second quarter of this year, it brought in $36
million in **sales** , nearly tripling its level from the year before.
Nevertheless, the **Web** **site** **represents** only 6% of CDW's **sales** . That
figure, however, is deceiving, Harczak says.

" **Many** more **people** use the site than actually submit purchases through
it. We've done our best to...


```
 13/3,K/3      (Item 3 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.
```

02220350 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Is there a future for futures?
(The futures market seems to be losing ground to electronic trading, which
  some companies find to be less expensive and more efficient)
Institutional Investor Americas, v XXXII, n 6, p 53+

June 1998
DOCUMENT TYPE: Journal   ISSN: 0020-3580   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 3010

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...are migrating inexorably to the electronic marketplace. The inevitable
result will be, in effect, a **virtual   trading** floor, with no particular
ties or **resemblance** to today's swarming pits. The surviving **exchanges**
will become gateways to that **virtual** floor, distinguished by service and
brand image -- newfangled concepts to **many** old hands.

Chicago **traders** have long had good reason to be arrogant about their way
of trading; they invented...

13/3,K/4   (Item 4 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

02181682 (USE FORMAT 7 OR 9 FOR FULLTEXT)
States Tap Micron For High-Tech Purchasing Contracts
(Micron Electronics picks up state purchasing contracts from Oregon,
  Hawaii, North Carolina, and Georgia)
Newsbytes News Network, p N/A
July 06, 1998
DOCUMENT TYPE: Journal   ISSN: 0983-1592   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 586

ABSTRACT:
...is the 9th biggest PC maker in the US, according to International Data
Corporation. Government **customers** have **several** options with which to
buy computer systems, including visiting the company's **Web   site** or
calling anonsite **sales   representative** . State purchases can also fax an
order or request for quote.
...

13/3,K/5   (Item 5 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

01962007 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Gateway raking in online PC orders
(Gateway 2000 is selling about $2 mil/day in orders that come in from its
  Web site)
Business Marketing, v 82, n 9, p 2
October 1997
DOCUMENT TYPE: Journal   ISSN: 0745-5933   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 626

ABSTRACT:
...mil/day in Internet sales, about $1.4 mil is from the segment defined as
 consumer , which includes **many** small office/home office businesses,
according to Taylor. International sales **represent** some 20% of the total
daily Web **sales** , he says. Since Gateway redesigned its **Web   site** ,
Taylor says phone volume attributable to the site has increased 22%. Total
sales at Gateway...

13/3,K/6   (Item 6 from file: 9)
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

01767517 (USE FORMAT 7 OR 9 FOR FULLTEXT)
A New World Order
(American firms in 1996 sold a record $2.8 bil worth of fragrances, lip,
eye and facial care products and toiletries worldwide, up 10% from 1995)
Women's Wear Daily CTFA Supplement, p 28+
February 1997
DOCUMENT TYPE: Journal   ISSN: 0149-5380   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 2438

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...in the U.S. due to proprietary technology, size and efficiency of our
plants here."

 Many U.S. manufacturers of **consumer** products have expressed concern to
the U.S. **Trade Representative** that several developing nations
virtually sanction what amounts to industrial theft.

There are other practical considerations for exporting, said Robert...

 13/3,K/7   **(Item 7 from file: 9)**
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

01749186 (USE FORMAT 7 OR 9 FOR FULLTEXT)
A COMEBACK FOR PUERTO RICAN CIGARS
(Oceanika World Traders will distribute Bayamon Tobacco Corp's hand-rolled
cigars)
Miami Herald , p N/A
February 04, 1997
DOCUMENT TYPE: Regional Newspaper   ISSN: 0898-865X   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 898

ABSTRACT:
...industry was once a major part of its agriculture along with sugar and
coffee but **virtually** disappeared in the 1960s. Oceanika World **Traders**
(Miami, FL), which **represents** **many** products in Miami and Latin American
markets including Chef Boyardee, Hormel and Goya Foods, has...

 13/3,K/8   **(Item 8 from file: 9)**
DIALOG(R)File   9:Business & Industry(R)
(c) 2002 Resp. DB Svcs. All rts. reserv.

01312055 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Open Market Intros "Secure" Web Storefront 10/17/95
(Open Market to launch 5th component to Merchant Solution, new turnkey
package for creating "self-hosted" storefronts over the Web)
Newsbytes News Network, p N/A
October 17, 1995
DOCUMENT TYPE: Journal   (United States)
LANGUAGE: English   RECORD TYPE: Fulltext
WORD COUNT: 502

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...and to track shipments of hard good purchases, he maintained.

Also under the new Open **Market** **model** , **users** can "collect" goods from
multiple **Web** **sites** in " **customer** shopping carts," permitting them to
consolidate all their Web-based purchases into a single electronic...

13/3,K/9   (Item 9 from file: 9)
DIALOG(R)File   9:Business & Industry(R)

01236203 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Duracraft to Launch Air Cleaners
(Duracraft to launch new line of air cleaners; to promote with p-o-p
  displays and brochures, coupons)
HFN, v 69, n 28, p 63
July 10, 1995
DOCUMENT TYPE: Journal ISSN: 1082-0310 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 523

ABSTRACT:
...Jane did not discuss the products' details, he said there will be six to
10 **models** .

Duracraft will promote its air cleaners with point-of-purchase **displays**
and brochures and through descriptive packaging. The firm also will
market its air cleaners through its other products with a brochure and
dollar-off coupon inserted in humidifiers, which **many   consumers** relate
to air cleaners, Jane said.

Duracraft also is introducing several heaters, fans and humidifiers...

13/3,K/10   (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

09276522 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Dot Com Firms Feel The Stock Market Squeeze
RACHEL BECK
BIRMINGHAM POST, p21
January 25, 2000
JOURNAL CODE: FBMP   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 467

  (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   companies that do business solely online giving a clear blueprint
of when profits might come, **many** analysts are encouraging their **clients**
to buy other stocks for now.
    They are recommending profitable e-commerce **models** such as **auction**
sites such as eBay, Internet service providers and **portals** such as
Yahoo!, which are news and information sites that act as gateways to the...

13/3,K/11   (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

09114293 (USE FORMAT 7 OR 9 FOR FULLTEXT)
medpool.com to Present at The Hambrecht & Quist 18th Annual Healthcare
    Conference
PR NEWSWIRE
January 12, 2000
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 474

  (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   services. Because the company is a first mover in this concept,
medpool.com has filed **several** patents on its business **model** .

Buyers purchasing power is pooled together in a **virtual trading** floor to collectively purchase medical equipment, supplies and services for the best prices. Selected sellers...

13/3,K/12   (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

08896742 (USE FORMAT 7 OR 9 FOR FULLTEXT)
iCongo.com   Selects Calico eSales.com to Power Trading Exchange for International Sporting Goods
BUSINESS WIRE
December 28, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 923

        ... and order management for buyers and sellers of sporting goods. Powered by Calico eSales.com, **iCongo** .com's **web site** will facilitate **trade** between **multiple** suppliers and **buyers** from catalogs featuring multi-dimensional product attributes. This solution allows buyers to mix and match...

13/3,K/13   (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

08577552 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Gardening: Leaf It Out For The Big Autumn Clean-up
BIRMINGHAM POST, p64
December 04, 1999
JOURNAL CODE: FBMP   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 1534

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   be too difficult although it is wise to keep off lawns when they are wet.
        Many   people are planning their own millennium parties at home and from the numbers of firework shops and firework **displays** on **sale** it looks like December 31 could well **resemble** bonfire night with Auld Lang Syne thrown in.
        If you are bonfiring then remember the...

13/3,K/14   (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

08272877 (USE FORMAT 7 OR 9 FOR FULLTEXT)
NextPlanetOver.com Builds a Home in Cybertown, Launches Cutting-Edge Virtual Object Tracking Campaign
BUSINESS WIRE
November 17, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 778

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   system that monitors these interactive product placements.
    NextPlanetOver.com will be featured in Cybertown in **several** innovative ways. First, **members** of Cybertown will be able to buy, sell and **trade   virtual** posters that **represent** products available at NPO.com. In Cybertown, each poster contains a link to NPO.com...

13/3,K/15   (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

07212814 (USE FORMAT 7 OR 9 FOR FULLTEXT)
WSMI.com's Billion Dollar On-Line World Wide Charity Lottery
PR NEWSWIRE
September 14, 1999
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 613

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   in this international lottery will be to develop and manage state
of the art interactive **websites** and act as the on-line ticket window for
sales to a global audience. WSMI.com will create **mirrored** sites in 21
different languages for **people** on all continents to have the chance to
participate in the billion-dollar lottery (subject...

   13/3,K/16   (Item 7 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

06645457 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**TheAgZone(TM) inc. Selects MarketStream(TM) 2.0 From ConnectInc.com As
   Platform Technology for New Agricultural Products E-Marketplace**
PR NEWSWIRE
August 11, 1999
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 682

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   ConnectInc.com, and our MarketStream(TM) 2.0 platform to build
their next generation agricultural **trading** community," said Craig Norris,
President & CEO of ConnectInc.com. "Specialty **portals** like TheAgZone(TM)
inc. **represent**   the next   frontier of e-commerce in which infomediaries
bring together **multiple**   **buyers**   and **sellers** creating entirely new
e-markets that reduce costs, streamline communications processes, and add
value up...

   13/3,K/17   (Item 8 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

06409772 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Segue Software Reports Record Revenue of $11.7 Million; Quarter over
   Quarter Loss from Operations Grows as Investments Increase to Pursue
   Emerging e-Business Reliability Market**
BUSINESS WIRE
July 27, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 2595

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   also be dependent on our ability to reach and inform customers
about the importance of **web**   **site** reliability to their business **models**
because we are in a **market** where up-time performance means real revenue
dollars to our   **customers** . So, like **many** other companies who have
entered the Internet business, we continue to invest heavily in building...

   13/3,K/18   (Item 9 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

06192790 (USE FORMAT 7 OR 9 FOR FULLTEXT)
S KOREA MANAGEMENT MAY RETURN TO TALKS ON LABOUR ISSUES
ASIA PULSE
July 14, 1999
JOURNAL CODE: WAPL LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 152

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   to the tripartite committee in an executive meeting," a KEF
spokesman said.
     The tripartite committee **virtually** collapsed after **representatives**
of the Federation of Korea **Trade** Unions and KEF walked out in April.
     "But we cannot say we will return soon because **many** of our **member**
companies strongly protest the government's decision to expand a special
probe into 81 worksites...

   13/3,K/19   (Item 10 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

06179021 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Hampton-Porter Investment Bankers Announces Investment Opinion: Global
   Equities Research Sales Notes**
BUSINESS WIRE
July 13, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 2795

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   support; 150 in professional services and support and
administration. The company markets nationwide through 22 **sales** offices.
     En Pointe created and greatly expanded upon the **virtual** inventory
model , which allows the **customer** to view multiple billions of dollars
of inventory from major distributors within highly flexible formats.
Customers use the...

   13/3,K/20   (Item 11 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

05694737 (USE FORMAT 7 OR 9 FOR FULLTEXT)
**Special Report: Direct Marketing: Personal Touch: Mass customisation
   strategies are ideal for marketers wanting to boost customer
   satisfaction, but they will only lead to success if the basic building
   blocks are put in place first**
ALICIA CLEGG
MARKETING WEEK, p45
June 10, 1999
JOURNAL CODE: FMWK LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1522

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   clothing merchant Lands' End, which enables female customers to
construct and store a 3-D **representation** of their basic figure type on
its **Website** . The software then recommends outfits from a standard **stock**
that would suit the **customer** 's shape.
     Many of the criticisms levelled at mass customisation focus on the
difficulty of realising the concept...

13/3,K/21   (Item 12 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

04693398 (USE FORMAT 7 OR 9 FOR FULLTEXT)
IRT Sport (Sailing): Dublin Boat Show moves up a few classes
DAVID BRANIGAN
IRISH TIMES, p16
March 19, 1999
JOURNAL CODE: FIRT   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 395

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   a boat, it is probably in the area of smaller day boats and
overnight cruisers **representing** the established, middle-range of the
market . Compared to the amount of power and bigger yachts on **display** ,
it is surprising that this section of the **market** isn't better catered
for.
     Nevertheless, **several traders** reported a brisk business in
accessories, particularly in the electronics area where there is plenty...

13/3,K/22   (Item 13 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

04412257 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Data Transmission Network Corporation Partners With DIRECTV and NRTC to
   Offer Data Services and Television Programming Through a Single
   Satellite Dish
PR NEWSWIRE
February 22, 1999
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 742

   (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   earnings of Hughes Electronics are used to calculate the earnings
per share attributable to GMH (**NYSE** symbol) common **stock** . Visit the
DIRECTV **Web** **site** at www.directv.com.
     NRTC **represents** the advanced telecommunications and information
technology interests of almost 900 rural electric and rural telephone
systems. **Many** of its **members** and affiliates provide direct broadcast
satellite (DBS) equipment and DIRECTV programming services to homes with...

13/3,K/23   (Item 14 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2002 The Dialog Corp. All rts. reserv.

04408692 (USE FORMAT 7 OR 9 FOR FULLTEXT)
infoUSA to Launch Small Business Internet Portal, Internet Content Revenue
   Doubles in January 1999
BUSINESS WIRE
February 22, 1999
JOURNAL CODE: WBWE   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 905

   ...some of the technology for the portal.
     infoUSA chief executive officer, Vinod Gupta, said, "This **portal**
will be a one-stop Internet shop for this **market** , and **represents** a
natural way to leverage infoUSA's core competence in servicing the small
business **customer** . **Many** of infoUSA's current two million customers are
included in the approximately 10 million small...

13/3,K/24   (Item 15 from file: 20)

02989702
Mott's Kicks Off Fall Cocktail Mixer Promotion with Football Theme
PR NEWSWIRE
October 01, 1998
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 458

     ... off pads, and neck hangers on all Mr & Mrs T and Holland House
mixers. With **multiple**   purchases, **consumers**   also can receive a free
Super Bowl(TM) football and $2 off with a mail-in coupon. **Brokers ,**
distributor **representatives**   and retail buyers can compete in a **display**
 contest to win a five-night trip to the Pro Bowl in Hawaii. According to
...

13/3,K/25   (Item 16 from file: 20)

02654518 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Jo-Ann Stores to Trade Wall Street's Pinstripes for Teal and Magenta
PR NEWSWIRE
August 31, 1998
JOURNAL CODE: WPRW   LANGUAGE: English   RECORD TYPE: FULLTEXT
WORD COUNT: 720

  (USE FORMAT 7 OR 9 FOR FULLTEXT)

...   Exchange building. Seven lower balconies will be draped with
colorful fabric, and a three-dimensional **representation** of the Jo-Ann
logo will overlap the   **Exchange** 's massive columns, with teal balloons
accenting the **display** .
     And inside two festive tents, Jo-Ann staff members will demonstrate
and help **visitors** "experience the creativity" with four **different** craft
projects -- a rubber-stamped pin and gift box, a faux-finish box, a small
...

13/3,K/26   (Item 1 from file: 476)

0005545221 BOAJPBMACZFT
**Commodities and Agriculture (Farmer's Viewpoint): Green lobby gives the
   blues to American farmers - Farmers and agrochemicals producers have
   united to ward off sweeping environmental restrictions**
DAVID RICHARDSON
Financial Times, P 34
Tuesday, October 16, 1990
DOCUMENT TYPE: NEWSPAPER LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
Word Count: 930

TEXT:
...environmental agenda' being dictated by the green movement across the
US.

For the first time, **representatives** of **virtually** all the **numerous**
individual commodity groups and the agricultural supply **trade** came
together in the common cause of attempting to moderate the most extreme
proposals of...

13/3,K/27   (Item 1 from file: 610)

00010020 1999060B0022 (USE FORMAT 7 FOR FULLTEXT)
**FotoNation Inc. Announces the Java FotoDeveloper Digital Camera Software
Connectivity Toolkit**
Business Wire
Monday, March 1, 1999 06:17 EDT
JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
DOCUMENT TYPE: NEWSWIRE
WORD COUNT: 503

...kit was formulated as a modular
application, which allows effortless integration of new digital camera
 models without changing the core software. Because the digital camera
 market introduces new **models** very frequently, FotoNation is **committed**
to constantly updating its library **with** the newest product releases.

In **many** cases, FotoNation's close relationships with digital camera
vendors enables FotoDeveloper customers, by means of...

13/3,K/28   (Item 1 from file: 636)

04417536   Supplier Number: 55349761 (USE FORMAT 7 FOR FULLTEXT)
NEW TECHNOLOGY GIVES TTY 'VOICE' TO HEARING-IMPAIRED VIA DIGITAL HANDSETS.
Mobile Phone News, v17, n30, pNA
August 2, 1999
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 565

...   disabilities. For example, voice-activated controls for dialing and
other handset functions are preferred by **consumers** across **many**   **markets**
.
     Qualcomm intends to include Bit-map handset **display** screens,
allowing scaleable font size, on all its **models** . Also, it will provide a
vibration option on its phones.
     "Basically, we have chip sets...

13/3,K/29   (Item 2 from file: 636)

04043300   Supplier Number: 53412511 (USE FORMAT 7 FOR FULLTEXT)
ELECTRONIC COMMERCE PROPONENTS WANT MORE PROTECTION.
Communications Daily, v18, n241, pNA
Dec 16, 1998
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1123

...   organizations" in Washington. But he also told of meeting at which
most of top 15 **Web**   **sites** were **represented** and one participant listed
all different **trade** groups and asked how **many** of companies at meeting
were **members** . Few were, and Snider said he wasn't satisfied with trade
groups with which he...

13/3,K/30   (Item 3 from file: 636)

03712427   Supplier Number: 48020431 (USE FORMAT 7 FOR FULLTEXT)

MARKETING:Adbot Introduces Rotating Banner Click-Throughs
dot.COM, v4, n7, pN/A
Oct 1, 1997
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 339

...   Inc. (10 S. Riverside Plaza, Suite 1100, Chicago, IL
    60606-3708, Tel: 888/232-6846, **Web   site** : http://www.adbot.com),
the
      auction   market for Internet advertising.
    In the most widely used **model** of selling Web ad space -- page views
    -- banner ads are presented on each new content page requested by
    a **user** . However, **many** publishers have recently structured sites to
    display each new content page within a frame. This...

  13/3,K/31   (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03670013   Supplier Number: 47907180   (USE FORMAT 7 FOR FULLTEXT)
CME: CME announces Sept. 9 launch for 'E-Mini' S&P 500 contracts
M2 Presswire, pN/A
August 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 810

...   at $500 times the index -- are expected to attract a wider range of
investors, particularly **many** retail **customers** for whom the current
contract size is too large.
    Through a special offer with Auditrack, Inc., **CME   Web   site** users
now can practice **trading** the E-mini in a **virtual   simulated**
environment. This offer **represents** the first time any **exchange** has
offered **virtual   trading** of a product via the Internet prior to the
product's launch. The simulated trading...

  13/3,K/32   (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03552232   Supplier Number: 47348031   (USE FORMAT 7 FOR FULLTEXT)
slants & trends
The Maturing Marketplace, v2, n9, pN/A
May 1, 1997
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 449

      Several years ago, **people** looked at us strange when we mentioned
we were creating an online community for the 50-plus **market** ," said Tom
Poole, president and CEO, SeniorCom, a World Wide **Web   site** for the
50-plus **market** .
    'Today, the mature **market   represents** the fastest growing audience
on the Internet. If you take into consideration our viewers watch...

  13/3,K/33   (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03483841   Supplier Number: 47182739   (USE FORMAT 7 FOR FULLTEXT)
List Providers Leery About Offering Fulfillment Over The Web
Electronic Advertising & Marketplace Report, v11, n5, pN/A
March 4, 1997

Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 841

...   Many of the larger companies, such as Metromail and American List
Counsel, are offering prospective **clients** the ability to see how **many**
names are available for certain **markets** through their **Web** **sites** , but
leaving order fulfillment to personal **representatives** . Other companies,
such as Abacus, are splitting the difference and allowing clients to place
orders...

   13/3,K/34   (Item 7 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

03354301   Supplier Number: 46897498   (USE FORMAT 7 FOR FULLTEXT)
THE EMERGING INDUSTRY FOR ONLINE MULTIPLAYER GAMING.
Interactive PR, v2, n23, pN/A
Nov 18, 1996
Language: English   Record Type: Fulltext
Document Type: Newsletter; Professional
Word Count: 100

   (USE FORMAT 7 FOR FULLTEXT)
TEXT:
SpotMedia Communications, publisher of the GameSpot Web site, has released
findings of a major **consumer** study of the emerging online **multiplayer**
gaming industry. The study of 2,700 gamers on the GameSpot **Web** **site**
provides data on **market** perceptions, desired features, pricing **models** ,
gaming preferences, and other factors which will affect **consumers** ' use of
 multiplayer gaming sites. Among the findings: three out of four
respondents said they'd be more...

   13/3,K/35   (Item 8 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2002 The Gale Group. All rts. reserv.

02036460   Supplier Number: 43700271   (USE FORMAT 7 FOR FULLTEXT)
FLAT PANEL DISPLAY: SEMI PRESIDENT CALLS FOR ADMINISTRATION ACTION ON FPD
   FRONT
EDGE: Work-Group Computing Report, v4, n146, pN/A
March 8, 1993
Language: English   Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 626

...   than 250 of SEMI's member companies have developed equipment and
materials for the FPD **market** .
     "The flat panel **display** **market** **represents** the future for our
member companies," added Reed. " **Many** analysts predict unit shipments of
flat screens will triple by the year 2000. We are...

   13/3,K/36   (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0666191   BW1152

LIBERTY FINANCIAL: Liberty Financial Introduces Next Generation of Internet
   Electronic Commerce

January 28, 1997

Byline: Business Editors

...to
provide customers, distributors and employees secure, direct access
to their accounts, product information and **market** data. We believe
the innovations we are introducing on our **Web sites** will **represent**
the first true application of Internet commerce for financial
services."
     The LEAPS project integrates **several** Internet breakthroughs to
provide **customers** unparalleled personalization and security.
     First consumer use of digital certificates. Liberty Financial
LEAPS is the...

 13/3,K/37   (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0321873   BW610

SEMI: SEMI president calls for administration action on FPD front

March 1, 1993

Byline: Business Editors/Computer Writers

     ...than 250
of SEMI's member companies have developed equipment and materials for
the FPD **market** .
     "The flat panel   **display   market   represents** the future for our
 member
companies," added Reed.   " **Many** analysts predict unit shipments of flat
screens will triple by the year 2000. We are...

 13/3,K/38   (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0265318   BW659

**VIEWPOINT SYSTEMS: Viewpoint Systems announces enhancements to its visual
     development tool -- Flashpoint 3.0**

February 18, 1992

Byline: Business Editors/Computer Writers

     ...a 3270 or 5250
host keystroke or a sequence script that performs a Dynamic Data
 Exchange (DDE) activity.
     The **multiple** panel enhancement allows **users** to **display** and work
with **multiple** panels simultaneously. Each panel can **represent**
information from single or multiple data sources.
     For example, one panel may present the corporate...

 13/3,K/39   (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0138869   BW138

**SEMICONDUCTR EQUIPMNT: SEMI to sponsor industry briefings on East Bloc IC
     production and flat panel displays**

August 2, 1989

Byline: Business Editors -- Computer Writers

     ...control panels,"
Hadfield said. "They're also a crucial element in high-definition
television.
     "SEMI **members** are receiving **numerous** requests from Japanese and
European **consumer** electronics companies to develop manufacturing
equipment and materials for flat panel **displays** ," Hadfield explained.
"This **market** could generate **sales** of $4 billion over the next five
years."
     Representatives from Seiko-Epson, CONVAC, David Sarnoff Research
Center, Hitachi, Mitsubishi and Sharp Electronics will take...

 13/3,K/40   (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1198269   NEW038
**Engineers Name Analog Devices Single-Chip DSP Motor Controller One of
    1997's Best Products**

DATE: December 10, 1997   15:47 EST   WORD COUNT: 1,762

... Linker combines object files into an executable file. The Simulator
provides an interactive instruction- level **simulation** with a
reconfigurable **user** interface to **display** **different** portions of the
hardware environment.

     About **Analog** Devices

     With **sales** of $1.2 billion for fiscal 1997, **Analog** Devices is a
leading manufacturer of precision high-performance integrated circuits used
in analog and...

 13/3,K/41   (Item 2 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1065132   LATH015
**New Cartridge System Transforms Standard Hard Drives Into State-of-the-Art
    Removables**

DATE: March 6, 1997   08:05 EST   WORD COUNT: 518

... speed, reliability and security are important concerns. High government
offices have just purchased hundreds of `Mirror` -Links after extensive
testing and evaluation of **virtually** every removable on the **market** .

     Mirror -Link is also ideal for large, disk-consuming documents that
must be stored, readily accessed, and shared by **multiple** **users** . Desktop
publishing, electronic imaging, health care, graphics, printing, and
audio/video recording industries are natural...

 13/3,K/42   (Item 3 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1032308   SFW027
**Worlds Inc. and Open Market, Inc. Partner to Enable 3D Multi-User Virtual
    Malls on the Internet**

DATE: December 11, 1996   07:00 EST   WORD COUNT: 584

...Worlds technology allows multiple users to log on to the same 3D

environment simultaneously, enabling **customers** in **different** locations
to shop
together or merchants to place customer-service **representatives** in
virtual
stores.

Worlds will integrate Open **Market** 's OM-SecureLink software in its
tools,
the Active Worlds Development Kit(TM) and its...

13/3,K/43   (Item 4 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0532595   AT001
DCA ANNOUNCES CROSSTALK FOR WINDOWS 2.0

DATE: November 3, 1992   08:03 EST   WORD COUNT: 570

...for Windows.

"Crosstalk for Windows 2.0 is a new generation of communications
software that **represents** a huge leap forward in providing users with a
true **graphical** user **interface** ," said Gerald W. Buran, DCA's vice
president of **sales** and marketing.

New features in Crosstalk for Windows 2.0 include support for
Microsoft's MDI, allowing **users** to open and run **multiple** communications
sessions at the same time. Other benefits include the ability to manage
the display...

13/3,K/44   (Item 1 from file: 267)
DIALOG(R)File 267:Finance & Banking Newsletters
(c) 2002 The Dialog Corp. All rts. reserv.

04553681
Filtering Buy-Side Research
Bill Davenport
Traders
July 1,1999   DOCUMENT TYPE: NEWSLETTER
PUBLISHER: SECURITIES DATA PUBLISHING
LANGUAGE: ENGLISH   WORD COUNT: 743   RECORD TYPE: FULLTEXT

        (c) SECURITIES DATA PUBLISHING All Rts. Reserv.

TEXT:
...price. In this case, the price is a loss of privacy for the buyside.
Because **many** broker web sites track their **visitors** in real-time, when
a buy-side portfolio manager is viewing a research document on a **broker** 's
web site , that **broker** 's **sales representative** could call that
portfolio manager immediately and solicit business. Though some firms also
provide brokerages...

20/3,K/1   (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01729962 03-80952
Are those toolpaths good? Verifier tells all
Gerardy, Paul
Machine Design v70n21 PP: 114-116 Nov 19, 1998
ISSN: 0024-9114 JRNL CODE: MDS
WORD COUNT: 1127

TEXT: Vericut **software** graphically simulates metal removal on milling
machines and lathes. It lets an NC programmer verify...

... the toolpaths will match the design intent before machining production
parts. The goal of the **software** , as in any manufacturing process, is to
catch and eliminate errors early on to keep...

... shaded simulation. The verification program displays two through
five-axis simultaneous NC toolpaths while removing **virtual** material from
a **userdefined** **stock** **model** . **Users** have the choice of detecting
collisions with fixtures, shanks of cutting tools, and cutting-tool...

20/3,K/2   (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01683508 03-34498
MarketQA
Freeburg, Nelson
Futures-Cedar Falls v27n7 PP: 58 Jul 1998
ISSN: 0746-2468 JRNL CODE: CMM
WORD COUNT: 854

...ABSTRACT: across every asset class in great historical depth. The
MarketQA financial database includes thousands of **individual** futures
contracts **representing** hundreds of **markets** worldwide, **virtually** all
cash commodities, forex, and cross-rate markets, meteorological data
gathered daily from 653 weather stations, a wealth of stock indexes and
market analysis, and the **price** history of every optionable stock going
back decades.
...TEXT: not embryonic but not fully realized either.

Data

The MarketQA financial database includes thousands of **individual** futures
contracts **representing** hundreds of **markets** worldwide, **virtually** all
cash commodities, forex and cross-rate markets, meteorological data
gathered daily from 653 weather stations, a wealth of stock indexes and
market statistics, and the **price** history of every optionable stock going
back decades.

One of MarketQA's strong suits is...

20/3,K/3   (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01535896 01-86884
Comdex panels provide a much-needed perspective on heaps of new products
Tebbe, Mark
InfoWorld v19n46 PP: 188 Nov 17, 1997
ISSN: 0199-6649 JRNL CODE: IFW
WORD COUNT: 618

...TEXT: looking for ways that technology (especially the Web) can increase customer loyalty. Many corporations are **offering** services that were not practical to provide before the Web. In Web-based applications, such as Dell's online ordering, **Virtual** Vineyard's direct-to- **consumer** **sales model** , and Charles Schwab's easy-to-access-and-use eSchwab trading system, today's consumer...

20/3,K/4   (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01272394 99-21790
WS&T unveils live trading floor
Anonymous
Wall Street & Technology v14n9   PP: 29-30   Sep 1996
ISSN: 1060-989X   JRNL CODE: WSC
WORD COUNT: 327

...TEXT: will   give   onlookers a snapshot of modern trading floor technology-including   today's   trading   systems,   **software** , desks and infrastructure. The second desk group will display new systems and concepts that Wall...

...business of trading in the 21st century. The home office will be part of a **virtual** **trading** floor demonstration **depicting** how **traders** will get access to information from their homes, branch offices and other remote locations.

Trading...

20/3,K/5   (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01145071 97-94465
Early contributions of Staff Papers to international economics
Blejer, Mario I; Khan, Mohsin S; Masson, Paul. R
International Monetary Fund Staff Papers v42n4   PP: 707-733   Dec 1995
ISSN: 0020-8027   JRNL CODE: IMF
WORD COUNT: 10816

...TEXT: of countries. This section will take up each category in turn.

Individual-Country Trade Models

Virtually all **models** of imports and exports are variants of what has been termed by Goldstein and Khan...

... equations for imports and exports relate the quantities to the level of income, the own **price** , and the **price** of domestic substitutes. The specification of the supply function is equally straightforward-the producer is...

... subject to a cost constraint. The resulting function relates quantities to productive capacity, the own **price** , and the **price** of inputs into the production process.

The bulk of the empirical trade literature has focused...

20/3,K/6   (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2002 ProQuest Info&Learning. All rts. reserv.

01068519 97-17913

Caught in the web
Prince, Cheryl J
Bank Systems & Technology v32n7 PP: 44-48 Jul 1995
ISSN: 1045-9472 JRNL CODE: BSE
WORD COUNT: 2691

...TEXT: also called, are not the only way to get and maintain consumer interest. When visiting **Salem** 's **home** **page** , one of the first **icons** a **consumer** will see is the Special of the Week. "That's a hook I put on...

... what the special is," says Fitzgerald. For instance, a special might be a CD specially **priced** above the national average. BofA's Shapiro reports that its page's most popular feature is the special **offer** . She adds that the hope is that providing information that supports decisionmaking will entice customers...

20/3,K/7   (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

07371064   Supplier Number: 59554551   (USE FORMAT 7 FOR FULLTEXT)
The Perfect Fit.
On Wall Street, v9, n12, p60
Dec, 1999
Language: English   Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 4525

...   stock, mutual fund, and option orders through the Internet with immediate confirmation. Our Advisor Channel **software** is tailored for Investment Advisors and has portfolio modeling, rebalancing and account analysis features. Our Statement Viewer allows **representatives** to view **client** **brokerage** statements online and our Rep **Web** **site** Program allows reps to develop their own unique Web site online. Coming soon, our Client... .

20/3,K/8   (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

06862432   Supplier Number: 58174758   (USE FORMAT 7 FOR FULLTEXT)
Neuromedia Builds Momentum, Signs New Customers to Create Virtual
  Representatives; End-of-Year Marks Achievements in Customer, Partner,
  Revenue and Technology Milestones.
Business Wire, p1316
Dec 13, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 859

...   industries, NeuroCommerce(TM) and NeuroService(TM). Both of these solutions enable companies to create vReps - **virtual** online **sales** and **customer** service **representatives** that dynamically interact with customers via real-time, natural language dialog. Companies such as Bigstep.com, Convergys, Reflect.com, GoldMine **Software** , and Track Data are utilizing Neuromedia's technology to create and deploy vReps on their ...

20/3,K/9   (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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06759427   Supplier Number: 56945188   (USE FORMAT 7 FOR FULLTEXT)
Neuromedia Announces Closing of Its Second Round of Financing; Convergys

Leads $3.5 Million Investment in Natural Language, Web Software Startup.
Business Wire, p1249
Oct 27, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 325

...   enterprise customers throughout the world."
     About Neuromedia
     Founded in 1996, Neuromedia, Inc. provides scaleable server **software**
 that enables the creation and deployment of Virtual **Representatives** --
vReps(TM). vReps are **virtual** online **sales** and **customer** service
representatives that dynamically interact with customers via real-time,
natural language dialog for e-commerce and...

 20/3,K/10   (Item 4 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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06685436   Supplier Number: 55930714   (USE FORMAT 7 FOR FULLTEXT)
Stockreporter Announces Investment Opinion on CathayOnline, Inc.;
  Stockreporter Begins Coverage of CathayOnline, Inc. - CAOL - With a
  Strong Buy Recommendation.
Business Wire, p1483
Sept 30, 1999
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 6956

...   with existing modes of communications.
     Internet-related Product Pipeline
     Set-top Boxes
     CathayOnline plans to **offer** Internet services through TV set-top
boxes. This will enable the Company to target those customers who do not
own **personal** computers, **representing** an enormous and as yet **virtually**
untapped **market** in China. CAOL has established a partnership with a major
Shenzhen-based firm to manufacture...

 20/3,K/11   (Item 5 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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05124677   Supplier Number: 47823388   (USE FORMAT 7 FOR FULLTEXT)
Prosolvia Clarus' Virtual Prototyping Software Oxygen Selected by Major
  U.S. Nuclear Weapons Laboratory
PR Newswire, p0708NYTU027
July 8, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 485

...   in simulation software than to attempt to develop it themselves,"
said Hallin.
     Prosolvia Clarus' Oxygen **software** features a development toolkit as
well as ready-to-use applications for solving specific problems...

...graphical user interface (GUI), drag-and-drop functionality, multiple
undoes and real-time editing of **simulations** .
     Prosolvia Clarus is the market leader in virtual reality and visual
simulation for industrial users...

 20/3,K/12   (Item 6 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
(c) 2002 The Gale Group. All rts. reserv.

04413050   Supplier Number: 46474354   (USE FORMAT 7 FOR FULLTEXT)
TRILOGY ANNOUNCES VERSION 4.0 OF SALESBUILDER SOFTWARE; ENHANCING ITS
   SELLING CHAIN SOLUTION
PR Newswire, p617NEMM01
June 17, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 857

...   in such diverse industries as aerospace, telecommunications,
trucking, furniture, automotive, financial services and information
technology.
      Offering a point-of-sale solution, SalesBUILDER 4.0 integrates
essential information from sales, marketing and manufacturing in an
intuitive **graphical   interface** . With a few keystrokes, **sales
representatives** can evaluate **customer** needs, accurately configure
systems, prepare quotes, and create a graphical representation -- right on
a laptop...

   20/3,K/13   (Item 7 from file: 16)
DIALOG(R)File   16:Gale Group PROMT(R)
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04366329   Supplier Number: 46403745   (USE FORMAT 7 FOR FULLTEXT)
WEBMEDIA(TM) ANNOUNCES NHL, SPORTSLINE USA, APPLE COMPUTERS REPRESENTATION
   AGREEMENTS
PR Newswire, p0521PGTU008
May 21, 1996
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1166

...   the first interactive rep firms to make sense of the myriad of web
sites and **offer** to the advertisers a logical sequence to reach the
interactive consumer. "Instead of media buyers having to deal with an
onslaught of **sales   representatives** from **individual   web   site**
organizations or web reps presenting a few sites, media buyers and planners
will have the...

   20/3,K/14   (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

10440827   SUPPLIER NUMBER: 21095748   (USE FORMAT 7 OR 9 FOR FULL TEXT)
MARKET NOTES.(Brief Article)
WWD, v175, n162, p34S(1)
August 14, 1998
DOCUMENT TYPE: Brief Article   ISSN: 0149-5380   LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 320   LINE COUNT: 00028

...   updated line of stretch trousers, $90 to $180.
    Welcome to e-commerce. This month, Diskman **Software** of Dallas
introduces the Web site www.virtualapparelmart.net, a clearinghouse linking
buyers and sellers...

...Buyers can click on a manufacturer name and be instantly linked to the
company's **Web   site** or **sales   representative** . A **customer** service
option enables retailers to request availability and delivery status.
Diskman will also help Internet...

   20/3,K/15   (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09646584   SUPPLIER NUMBER: 17852275   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Virtual reality techniques in NPD research. (new product development)
Rosenberger, Philip J., III; Chernatony, Leslie de
Journal of the Market Research Society, v37, n4, p345(11)
Oct, 1995
ISSN: 0025-3618   LANGUAGE: English   RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4925   LINE COUNT: 00438

...   difficult and resource-consuming process. For this reason, market
researchers have turned to models and **simulations** . With the advent of **VR**
, **market** researchers can **model**   **consumers** ' reactions to really new
products and services. Information Acceloration and Visionary Shopper are
two of...

...to predict the exact form that new models, such as SERVASSOR, will take.
VR techniques **offer** many benefits to the NPD process, for example
increasing customer involvement throughout the various NPD...

...process and ultimately increasing customer satisfaction with the product
or service. With advances in computer **hardware** and **software** , market
researchers will be faced with the increasing attractiveness of creatively
using VR techniques to...

 20/3,K/16   **(Item 3 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB

08972332   SUPPLIER NUMBER: 18701823
Virtually home. (housing industry using virtual models and other computer
   technologies to design and market homes) (includes related article on
   using 3D floor plan software) (Industry Trend or Event)
Vrana, Debora
Los Angeles Times, v115 , Mon ed, col 1, pD1
Sep 23, 1996
ISSN: 0458-3035   LANGUAGE: English   RECORD TYPE: Abstract

ABSTRACT: The housing industry is increasingly using virtual models and
other computer technologies to design and **market** homes. Builders are
utilizing **virtual**   **models** to allow **buyers** to preview 3D mock-up
dwellings. Many systems also permit buyers to partake in the...

...more than $100,000 by using virtual models instead of physical models.
Also, Presley's **software** can be used to sell houses in other
developments.

 20/3,K/17   **(Item 4 from file: 148)**
DIALOG(R)File 148:Gale Group Trade & Industry DB

07357783   SUPPLIER NUMBER: 16215265
Xerox bets on virtual office. (firm to use notebook computers for its sales
   force) (includes related article on the tradeoffs of virtual offices)
Fitzgerald, Michael
Computerworld, v28, n44, p1(2)
Oct 31, 1994
ISSN: 0010-4841   LANGUAGE: ENGLISH   RECORD TYPE: ABSTRACT

...ABSTRACT: first time Xerox has automated its sales operations. Xerox'
move symbolizes growing trend toward the **virtual** office, which places
engineers, **sales**   **personnel** and service **representatives** closer to
customers . Xerox is pleased with its selection of notebook computers for
its sales staff because the systems provide immediate access to Xerox's
corporate network and the **software** to rapidly develop proposals for

clients. Informal interviews with sales staff indicate they are pleased...

...persons. Xerox' computers come equipped with Microsoft Word, Excel and
PowerPoint as well as access **software** and fax/modems.

20/3,K/18   (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

04896339   SUPPLIER NUMBER: 09277118   (USE FORMAT 7 OR 9 FOR FULL TEXT)
What's in a name? (Kreative Koncepts & Designs)(Focus: South Suburban
  Growth) (company profile)
Dobie, Frederick G.
Indianapolis Business Journal, v11, n22, p9S(1)
Sept 10, 1990
DOCUMENT TYPE: company profile   ISSN: 0274-4929   LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 943   LINE COUNT: 00072

...   The name and ownership are the only things that have changed,
according to Coovert's **customers** . The **sales   representatives** and the
builders of **displays** and floats are the same, and the quality and **price**
of their work is equal to the company's past, said Lee Harris, deputy
director of public relations for American Legion National Headquarters here
in Indianapolis. Harris solicited competitive **bid** in the past for floats
and other displays, and K & K Displays always won, he...

20/3,K/19   (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2002 The Gale Group. All rts. reserv.

03926618   SUPPLIER NUMBER: 07707385   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Food promotions with flair: from simple theme dinners to full-blown ethnic
  festivals, food and beverage campaigns can help build traffic. (includes
  a related article)
Metz, Carol Lally
Lodging Hospitality, v45, n6, p85(3)
June, 1989
ISSN: 0148-0766   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT
WORD COUNT: 1868   LINE COUNT: 00149

...   month span.
     Clawson says promotional items are generally geared to casual cafe
restaurants and are **priced** to capture hotel **guests** , who **represent**
50-60 percent of restaurant **trade** . But **display** mats are provided to
pull in local traffic where local markets warrant. In image restaurants...

20/3,K/20   (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

00836093
A cable TV network for the hearing impaired will debut in 1/83.
Marketing & Media Decisions   November, 1982   p. 26,30

     ... sign language as well as captioning and voice. According to VP R
Citron, hearing impaired **individuals   represent** 'a **virtually** untapped
 market   for 22 million people...across the...spectrum of the country.'
Discussions with potential sponsors are underway. Initially, 15 hour/wk of
original programming is being **offered** , but expansion to 24 hour per day
is being planned.   ...

20/3,K/21   (Item 1 from file: 275)

01824784   SUPPLIER NUMBER: 17209677
**Assets in Wonderland.(includes related article on financial engineering
    tools)**
Baum, David
Byte, v20, n7, p111(7)
July, 1995
ISSN: 0360-5280   LANGUAGE: English   RECORD TYPE: Abstract

...ABSTRACT: mapping current values for stocks and stock groups to the
corresponding 3-D representations. The **hardware** platform used is a
Pentium-based Windows PC with 16MB of RAM and a 256- **color   display** .
Graphical **representations** let **traders** readily perceive subtle market
changes and make informed decisions. Faster PCs, digital video compression,
improved...

20/3,K/22   (Item 2 from file: 275)

01694824   SUPPLIER NUMBER: 16158616   (USE FORMAT 7 OR 9 FOR FULL TEXT)
**At the cutting edge. (finance companies exploiting the latest technologies)
    (includes related articles on TSB Bank and Lionhart Investments)**
Davidson, Clive
Computer Weekly, p28(2)
July 7, 1994
ISSN: 0010-4787   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2536   LINE COUNT: 00205

...   to "enter" and explore the information as if it were a physical
environment.
     The first **VR** product for **market   traders** , **Metaphor** Mixer from
Maxus Systems International of New York, appeared last year. It represents
financial instruments as animated 3D objects in a market "terrain". The
shape, **colour** and movement of the objects indicates factors such as
price and volume and volatility of sales. It has already been used
successfully at ABD Securities...

20/3,K/23   (Item 3 from file: 275)

01496873   SUPPLIER NUMBER: 11739202   (USE FORMAT 7 OR 9 FOR FULL TEXT)
Accessing PC data with the Microsoft GDK. (Gateway Development Kit)
Tyack, Dan
Data Based Advisor, v10, n1, p74(2)
Jan, 1992
ISSN: 0740-5200   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1017   LINE COUNT: 00082

...   C implementation of a stored procedure against a simple "database."
The server application that this **code** was taken from was built using the
sample "SQL Server gateway" provided with GDK 1...

...application adds the capability to execute a local stored procedure. The
database accessed is a **simulated   customer** list with **sales**
information. The **virtual** table has the fields:
     Column Name Datatype Description
     CustomerName char (60) Name of customer CustomerAddress...

20/3,K/24   (Item 4 from file: 275)

01297544   SUPPLIER NUMBER: 07288270   (USE FORMAT 7 OR 9 FOR FULL TEXT)
High-tech aurora shines in CBOT's trading skies. (The Chicago Board of
  Trade prolongs the life of the open outcry system)
Arend, Mark
Wall Street Computer Review, v6, n8, p90(2)
May, 1989
ISSN: 0738-4343   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 855   LINE COUNT: 00068

...ABSTRACT: CBOT) unveils Aurora, an auction-market trading system
designed to replicate the activity of the **trading** pit. Aurora **displays**
member **icons** as circles and squares in the center of the screen, which
represents an arena. The system will use Apple Macintosh workstations with
Texas Instruments' microExplorer **software** and Tandem Computers' NonStop
VLX mainframe. Automation of the auction market provides the same
information...

ABSTRACT: The price of a seat on the Chicago Board of Trade, which hit a
record $857,500 last May, plunged 33%, to $576,000, in May of this year.
One of the exchange's most ballyhooed new products, a German bund contract,
has flopped, and another, futures on the Dow Jones Industrial average, has
been slow to catch on. Chicago's problems are far from isolated. Worldwide,
once confident, even arrogant, futures exchanges face a fast mounting
challenge to their primacy. Twenty five years after the first
exchange-listed financial futures ignited a risk management revolution, the
epicenter - and power - is shifting to electronic dealer markets and the
over-the-counter trading of massively capitalized commercial and investment
banks. Driven by rapid technological advances and far less regulation,
dealers can design products and execute trades more cheaply and more
efficiently using in-house than on exchanges.
TEXT: Headnote:

Once-proud open-outcry exchanges are battling for their lives against OTC
markets and screen-based trading systems. - By Robert Clow

IN FEBRUARY 1997 CHICAGO MAYOR RICHARD DALEY opened the world's largest
trading floor on the world's largest futures exchange. Costing $182
million, encompassing 60,000 square feet and packing enough wiring to
circle the earth, the new floor grandly proclaimed the Chicago Board of
Trade's brimming self-confidence. Trumpeted enthusiastic chairman Patrick
Arbor soon afterward: "The Chicago Board of Trade indeed has entered a
golden era."

Barely 18 months later Chicago's gold has lost its luster. The price of a
seat on the exchange, which hit a record $857,500 last May, plunged 33
percent, to $576,000, in May of this year. One of the exchange's most
ballyhooed new products, a German Bund contract, has flopped, and another,
futures on the Dow Jones industrial average, has been slow to catch on.
Exchange members showed what they thought of the new era in March, when
they voted down a proposal to hike Arbor's pay from $240,000 to $400,000.

"There are people who are demoralized about seat prices," concedes James
Kaulentis, a managing partner of International Futures and Options
Associates, the largest brokerage association on the Chicago Mercantile
Exchange. One of his friends at the Merc even quit the business in disgust.
"He has started a little company that trades OTC options in Las Vegas. He
made more money in one month than in the whole year before."

Chicago's problems are far from isolated. Worldwide, onceconfident, even
arrogant, futures exchanges face a fast-mounting challenge to their
primacy. Twenty-five years after the first exchangelisted financial futures
ignited a risk management revolution, the epicenter - and power is shifting
to electronic dealer markets and the over-the-counter trading of massively
capitalized commercial and investment banks. Driven by rapid technological
advances and far less regulation (see box), dealers can design products and
execute trades more cheaply and more efficiently in-house than on
exchanges. Increasingly, their innovation and muscle threaten not just the
old ways of doing business - the famously raucous open-outcry auctions of
the pits, with their centuries-old roots in commodities trading - but the
exchanges' very existence.

"We all know that one day or another, open outcry will be replaced by
electronic trading," says Gerard Pfauwadel, who recently stepped down as
chairman of Paris-based Matif. It's already happening. In April Matif made

electronic trading available to members for the first time. By the end of
May Matif had announced that all trading would be electronic starting this
month, a move that could put 600 to 700 traders out of work.

In March the London International Financial Futures and Options Exchange
decided to adopt screens after losing a huge chunk of market share in
German Bund (the ten-year government bond) futures to the increasingly
aggressive and all-electronic -- Frankfurtbased Deutsche Terminborse. But
Liffe's 1999 target date for screen trading may not come in time: Major
dealers last month threatened to move their business in short-term
Euromarks, the London exchange's strongest product, to the much cheaper DTB
as well.

Locals, the floor traders who have traditionally held political power at
many exchanges, have long resisted change, fearing a very real threat to
their livelihood. But not adapting could prove more damaging in the long
run. No one knows that better than 66-year-old Leo Melamed, the Merc's
chairman emeritus and a financial futures market pioneer. Melamed argues:
"We have to make our futures markets more competitive. We have to give the
pit additional instruments that are more capable of being competitive with
the OTC market. It's time to consider an electronic response."
One solution, exchange consolidation, is already occurring. Bitter rivals
like the CBOT and the Merc are snuggling up to each other. In March the two
exchanges agreed to combine their clearing operations, an arrangement some
view as a prelude to a full-fledged merger. "I think we are going to see
more consolidation in members and exchanges," admits Arbor. As for merging
with the Merc, he says, "We have to do common clearing first."

But consolidation may be only a short-term solution. "The intermediation
role of the exchange is diminishing as technology introduces better price
discovery," says Les Hosking, chairman of the Sydney Futures Exchange,
which has gone fully electronic. He foresees OTC markets taking over
exchanges' most liquid markets in the future.

The futures exchanges still maintain the advantage of a centralized
clearing mechanism, which eliminates counterparty risk. But the big
dealers, boasting deep and cost-efficient OTC markets, have been mulling
over the possibility of starting clearinghouses of their own. Should that
happen, warns Jack Sandner, a former Merc chairman, exchanges "will be in a
vast wasteland."

To survive, many experts, such as Sydney's Hosking and former Matif
chairman Pfauwadel, argue that futures exchanges must begin to consolidate
trading and clearing into one shared, global platform. This will not
necessarily make them obsolete -- certain products, especially commodity
futures, are still best traded regionally, and the trading pits excel at
price discovery in less liquid markets. But financial futures, which
account for some 70 percent of the exchanges' business, are migrating
inexorably to the electronic marketplace. The inevitable result will be, in
effect, a virtual trading floor, with no particular ties or resemblance to
today's swarming pits. The surviving exchanges will become gateways to that
virtual floor, distinguished by service and brand image - newfangled
concepts to many old hands.

Chicago traders have long had good reason to be arrogant about their way of
trading; they invented the financial futures market in the first place.
Since 1972, when the Merc introduced financial futures, their form of
open-outcry trading has been the model for futures exchanges around the
world. Enormous government deficits sparked the success of the CBOT's
Treasury bond futures in the early 1980s. Partisan Chicagoans boasted that
the nation's "financial center of gravity" had moved west from New York.

Noting Chicago's success, futures exchanges sprouted around the world
during the 1980s, including Liffe in 1982, the Singapore Monetary Exchange
in 1984, Matif in 1986, the Tokyo International Financial Futures Exchange
in 1989 and DTB in 1990.

At first these new entities imitated their Chicago elders. They built

trading pits to facilitate open outcry. And they adopted mutual organizations --members were primary owners - and operated on a not-for-profit basis. "We even imported our jackets from Chicago," recalls Matif's Pfauwadel, noting that Parisians do not normally look outside their city for wardrobe advice.

Exchange trading activity soared through the '80s and '90s, with its influence hitting a peak, at least in the public mind, in 1987, when many Wall Streeters blamed stock index futures for exacerbating the crash. But just as the futures exchanges seemed invincible, the OTC market was quietly gathering steam. The OTC derivatives market, launched in the early 1980s, exploded in the '90s, fostering liquidity and bringing prices down for users.

The OTC and exchange markets tend to have different customer bases as well. Corporate treasurers leaned toward the OTC market for risk management; the U.S. Treasury Management Association in 1995 found that only 10 percent of corporate treasurers used interest rate futures, whereas 71 percent used swaps. By contrast, institutional investors favor futures.
Still, the exchanges enjoyed a symbiotic relationship with the OTC market, as OTC dealers, who are generally exchange members themselves, used them to off-load risk. Indeed, the development of the interest rate swaps market in the '80s gave the Merc's Eurodollar pits and similar short-term interest rate pits throughout the world, a huge boost.

But as the OTC market grew, its products began to compete more directly with exchange-traded futures. Take two very similar products: plain-vanilla swaps (an exchange of fixed and floating interest rate payments) and Eurodollar strips (futures bundled together in three-month rolling positions). The Merc no longer has an edge in liquidity over OTC swaps. There were $6.5 trillion of dollar swaps outstanding at the end of June 1997, compared with a Eurodollar open interest of $2.6 trillion on the Merc.

Nor does it have an edge in costs, as dealers adapt quickly to new technology, which makes trading cheaper. "The general trend is that the OTC market has undercut the Europits as margins have just gotten squeezed down," explains the head of one New York swaps desk. "The exchanges have not moved fast enough to keep their cost edge."

The costs of dealing on-exchange are usually half a basis point per dollar of notional value in the Eurodollar pit, whereas the OTC market for short-dated swaps and forward-rate agreements, or FRAs, often cuts that rate by half or more, going as low as an eighth or a tenth of a basis point. And unlike futures, which come in limited contract sizes and have arbitrary dates for the beginning and end of a contract, the size and life span of FRAs can easily be tailored to suit each deal.

Even as the OTC market mushroomed, most major futures exchanges continued to believe they had unshakable franchises. As recendy as November 1996, Melamed chaired a panel discussion that included several heads of the leading futures exchanges. "And by God," he exclaims, only I and the chairman of the DTB were saying that you have to prepare to go electronic."

But change came with remarkable swiftness. The turning point: the so-called battle of the Bund early this year, pitting Liffe against the DTB.

Faithful in almost all respects to the Chicago model, the East End barrow boys built Liffe to become the second-largest futures exchange in the world, outstripping even the mighty Merc in trading volume. In the process, Liffe stole business from other European exchanges. By 1997 Liffe had become the most important trading center not just for short-dated sterling interest rate futures but also for short deutsche mark, Swiss franc, lira and ECU contracts.

The exchange could also claim 65 percent market share in the Bund contract. That is, until 1997, when the DTB made a staggering dash from behind, using fee holidays, free trading terminals and far lower trading costs to unseat

its U.K. rival as the dominant force in Bund futures trading. By April 1998 81 percent of Bund volume, some 6.8 million contracts monthly, was trading on the DTB.

But the battle of the Bund was just one struggle in a wider war for domination of European futures as anticipation of the euro continues to mount. When the single currency is introduced in January 1999, there will be one significant long-term interest rate contract in Europe. Most traders believe that whichever exchange controls Bund trading will control euro trading.

The DTB's victory was an important one strategically for the German futures industry, but the message it sent to futures exchanges worldwide may have been even more significant: In head-to-head competition, electronics can beat open outcry. "Our members would not even let us talk about electronic trading for the last two years," says departing Liffe chairman Jack Wigglesworth, who now envisions a time when exchanges will exist only in cyberspace.

After nearly a decade and a half championing the Chicago model, Liffe is planning to set up an electronic system to trade alongside its pits. If the pattern at Liffe comes to resemble that of Matif, where trading quickly migrated to screens, Liffe's 700 independent traders will find themselves out of jobs.

It could get worse. Citing the expense of Liffe's open-outcry system, Chase Manhattan Bank and Salomon Smith Barney, two of the exchange's most active members, last month threatened to move their short-term interest rate trading to the DTB next year. Until they made their threat, Liffe's unchallenged dominance of short-term interest rate trading had provided what seemed to be a bulwark against the attacks of the German exchange.

The reason Liffe's members could block electronic trading for so long is that the London exchange, like the CBOT and the Merc, has been a not-for-profit organization, owned and controlled by its members. Liffe's member-ownership structure meant that locals -- small traders dependent on the continued existence of the futures pits for their careers - determined exchange strategy. Not surprisingly, the locals opposed electronic trading, arguing that computers could never handle the complexities of their work.
However, the dramatic loss of the Bund franchise sent a harsh message to Liffe traders - and to local traders in Chicago and other futures centers: that technology is going to put many of them out of work, and the most they can hope for is to sell out profitably. With some trepidation, in midApril Liffe's board recommended that exchange shares be sold publicly and that the exchange become a for-profit entity.

The CBOT's Arbor says that his exchange needs to eliminate layers of costly support personnel on the exchange floor to remain competitive. "I think you are going to see [fewer] people working on our floors," he admits. So does the newly elected chairman of the Merc, Scott Gordon, who has worked as runner, phone clerk, a floor manager, trader and broker and head of a clearing firm. An impressive resume, but the number of different jobs Gordon has held indicates the sprawling infrastructure that the exchanges support. "Some of those jobs are somewhat anachronistic," admits Gordon.

The Merc cut expenses by 10 percent last year, but that's just a start. The Merc itself has a staff of 850 and more than 3,000 members. Thousands of people employed by members work the floor, a 70,000-square-foot trading arena spread over two levels. The Merc generates annual revenues of $178.6 million on expenses of $157.8 million.
The common-clearing agreement between the Merc and CBOT is a step toward eliminating costly inefficiencies. But the difficulty of making that decision doesn't bode well for continued cost-cutting. University of Chicago professor emeritus and Nobel laureate Merton Miller led the effort to bring the two Chicago exchanges' clearing systems together. "It took us two years to get common clearing," Miller says, noting that OTC dealers, as profit-making corporations, tend to have "more cards in the deck for dealing with changes."

Despite their woes, the futures exchanges still have a strong hand to play. For one thing, less liquid markets, such as agricultural and commodities futures, are less likely to be replaced by screen-based trading. And exchanges continue to innovate, introducing new products like bankruptcy futures, which might be used as hedging devices alongside burgeoning OTC credit derivatives markets. Further, with products like the recently introduced DJIA index futures, exchanges are betting that they can grow on the retail side of the market. Exchange chiefs remain adamantly optimistic. "I believe the CBOT will continue to grow in volume," says Arbor. "We have made a very important decision to grow in volume."

Probably the strongest attraction of exchange-traded futures for investors and traders is the backing of the exchange itself. "We like the counterparty credit risk of the exchange," says Adnan Akant, a managing director at Fischer Francis Trees & Watts, a New York-based money manager specializing in fixed income. The exchanges might be able to leverage that strength off the OTC market, by clearing swaps, for instance. "If and when the futures exchanges start clearing swaps, that would be a tremendous benefit, from our point of view," says James Keller, a portfolio manager at Pacific Investment Management Co. in Newport Beach, California, who has worked as a local at the CBOT and on Merrill Lynch's swaps desk.

OTC transactions are already being cleared in Sweden, and efforts are under way to clear swaps in London and Chicago. Progress has been slow because top dealers, who already have high credit ratings, are reluctant to give up their competitive advantage to a clearinghouse. But that could change as their credit lines fill up.

Meanwhile, Keller and Akant say their firms have increased their futures use over the past year, but both managers see areas where the dealer market serves them better than exchanges. Fischer Francis does not use foreign exchange futures on the Merc. "That's one market where the banks have an advantage," says Akant.

Driven by technology, the world's futures exchanges appear headed for convergence. The DTB and the Swiss Options and Financial Futures Exchange are merging to form a new entity called Eurex, while Matif is building an interface to allow its electronic trading system to deal with the German and Swiss systems. Early next century, when the DTB has to redesign its already aging system, Matif will collaborate in the effort, Pfauwadel says. Liffe officials have talked about buying the Matif system. If that were to happen, much of Europe could soon enjoy seamless futures trading.

Europe and the U.S. are forging links as well. On the clearing side, Matif has already adopted, but not yet implemented, the same clearing system as the Merc, which it developed with the New York Mercantile Exchange, and which the Merc will share with the CBOT. The Merc also continues to push Melamed's brainchild, Globex, an electronic after-hours trading system that flopped when it was launched in 1992. Now Globex 2 is on the drawing board alongside talks on common clearing and trading platforms.

But the bigger question is not whether platforms for common trading and clearing will come into being. They will. Customers demand them. The more troubling issue - to traders, customers and regulators - is whether control of the new platforms will migrate elsewhere. What's to stop a technology provider, like Reuters' Instinet, say, from owning the exchange of the future? Reuters has already made one foray into futures when it supplied the technology for Globex. The Merc and its Globex partners, Matif and Nymex, switched away from Reuters to an open architecture setup for Globex 2.

Banks, with their huge investments in technology and vital interest in the business, would seem to be a natural group to develop a new trading system. "Every investment bank is developing an electronic order-delivery system," says Sydney's Hosking. "Ultimately, they are going to say, 'Why the hell do we do it to the edge of the pit and no further?"' That's bad news for the exchanges. it

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DESCRIPTORS: Electronic trading; Futures trading; Over the counter trading;
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   analysis); 8130 (CN=Investment services)
?

03670013   Supplier Number: 47907180   (THIS IS THE FULLTEXT)
CME: CME announces Sept. 9 launch for 'E-Mini' S&P 500 contracts
M2 Presswire, pN/A
August 13, 1997
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 810
TEXT:
M2 PRESSWIRE-13 August 1997-CME: CME announces Sept. 9 launch for 'E-Mini'
S&P 500 contracts (C)1994-97 M2 COMMUNICATIONS LTD
     RDATE:120897
     * 'Virtual' S&P-mini trading now available on Merc's web site
     "E-mini" S&P 500 futures and options contracts will begin trading on
the Chicago Mercantile Exchange Sept. 9, Exchange officials announced.
Regulatory approval for the contracts was received last month. In
anticipation of the launch, the Merc is offering "virtual" trading on its
Web site, at http://www.cme.com/market/auditrack/intro.html
     E-mini S&P 500 futures will be priced at $50 times the S&P index, or
about $48,000 at recently trading levels. The E-mini contracts, sized at a
fraction of the CME's flagship S&P 500 futures contract --currently sized
at $500 times the index -- are expected to attract a wider range of
investors, particularly many retail customers for whom the current contract
size is too large.
     Through a special offer with Auditrack, Inc., CME Web site users now
can practice trading the E-mini in a virtual simulated environment. This
offer represents the first time any exchange has offered virtual trading of
a product via the Internet prior to the product's launch. The simulated
trading is based on a program that incorporates liquidity and other
characteristics of similar contracts that are already trading, as well as
the E-mini's particular specifications. After the E-mini's Sept. 9 launch,
the virtual trading will incorporate actual market conditions and prices in
the simulated trading. Everyone who signs up is given $100,000 in simulated
funds to trade.
     As part of this limited trial offer for virtual trading, Auditrack's
usual transaction fees have been waived, so users have to pay only a $10
processing charge to trade CME products on-line for one calendar month. As
a kick-off to this special offer, anyone who signs up for the first time in
August will be able to trade until September 30, 1997. Auditrack offers
other at additional fees if users wish to extend their virtual trading
beyond that date.
     "The future is driven by and tied to technology," CME Chairman Jack
Sandner said. "Live simulated 'virtual' trading of the E-mini S&P is a leap
into the future. It will break new ground and begin a new era for futures
trading."
     CME Chairman Emeritus and Senior Policy Advisor Leo Melamed said: "No
futures exchange before the Merc has taken the bold step of wedding open
outcry trading with technology and the Internet. Our unrivaled dominance in
equity index futures will be further enhanced by the new trading
opportunities the E-mini will provide. At the same time, the Merc's GLOBEX
system continues to expand, offering its technology to the world."
     "The real beneficiaries of the E-mini S&P contract will be new small
institutional and retail customers who will now be able to trade the stock
market's benchmark index in an efficient and cost-effective way," and said
CME President and CEO Rick Kilcollin. "The E-mini will only build on the
success of our flagship S&P 500 futures contract."
     Upon its launch, the E-mini S&P 500 will utilize the futures
industry's first small-order electronic order routing and execution system.
E-mini contracts will be executed on the GLOBEX system, with orders routed
through a wide variety of means, including -- as a final phase -- the
Internet. Orders for options and for 30 or fewer E-mini S&P futures will
utilize completely electronic order entry, routing and trade matching,
while larger orders will be executed by open outcry on the trading floor
via an innovative All-Or-None (AON) pit facility.
     The Chicago Mercantile Exchange is the world leader in trading stock
index products, capturing more than 95 percent of U.S. volume and open

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M2 PRESSWIRE-13 August 1997-CME: CME announces Sept. 9 launch for 'E-Mini'
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      * 'Virtual' S&P-mini trading now available on Merc's web site
      "E-mini" S&P 500 futures and options contracts will begin trading on
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Regulatory approval for the contracts was received last month. In
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Is there a future for futures?
Clow, Robert

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once confident, even arrogant, futures exchanges face a fast mounting
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old ways of doing business - the famously raucous open-outcry auctions of
the pits, with their centuries-old roots in commodities trading - but the
exchanges' very existence.

"We all know that one day or another, open outcry will be replaced by
electronic trading," says Gerard Pfauwadel, who recently stepped down as
chairman of Paris-based Matif. It's already happening. In April Matif made

electronic trading available to members for the first time. By the end of May Matif had announced that all trading would be electronic starting this month, a move that could put 600 to 700 traders out of work.

In March the London International Financial Futures and Options Exchange decided to adopt screens after losing a huge chunk of market share in German Bund (the ten-year government bond) futures to the increasingly aggressive and all-electronic -- Frankfurtbased Deutsche Terminborse. But Liffe's 1999 target date for screen trading may not come in time: Major dealers last month threatened to move their business in short-term Euromarks, the London exchange's strongest product, to the much cheaper DTB as well.

Locals, the floor traders who have traditionally held political power at many exchanges, have long resisted change, fearing a very real threat to their livelihood. But not adapting could prove more damaging in the long run. No one knows that better than 66-year-old Leo Melamed, the Merc's chairman emeritus and a financial futures market pioneer. Melamed argues: "We have to make our futures markets more competitive. We have to give the pit additional instruments that are more capable of being competitive with the OTC market. It's time to consider an electronic response."
One solution, exchange consolidation, is already occurring. Bitter rivals like the CBOT and the Merc are snuggling up to each other. In March the two exchanges agreed to combine their clearing operations, an arrangement some view as a prelude to a full-fledged merger. "I think we are going to see more consolidation in members and exchanges," admits Arbor. As for merging with the Merc, he says, "We have to do common clearing first."

But consolidation may be only a short-term solution. "The intermediation role of the exchange is diminishing as technology introduces better price discovery," says Les Hosking, chairman of the Sydney Futures Exchange, which has gone fully electronic. He foresees OTC markets taking over exchanges' most liquid markets in the future.

The futures exchanges still maintain the advantage of a centralized clearing mechanism, which eliminates counterparty risk. But the big dealers, boasting deep and cost-efficient OTC markets, have been mulling over the possibility of starting clearinghouses of their own. Should that happen, warns Jack Sandner, a former Merc chairman, exchanges "will be in a vast wasteland."

To survive, many experts, such as Sydney's Hosking and former Matif chairman Pfauwadel, argue that futures exchanges must begin to consolidate trading and clearing into one shared, global platform. This will not necessarily make them obsolete -- certain products, especially commodity futures, are still best traded regionally, and the trading pits excel at price discovery in less liquid markets. But financial futures, which account for some 70 percent of the exchanges' business, are migrating inexorably to the electronic marketplace. The inevitable result will be, in effect, a virtual trading floor, with no particular ties or resemblance to today's swarming pits. The surviving exchanges will become gateways to that virtual floor, distinguished by service and brand image - newfangled concepts to many old hands.

Chicago traders have long had good reason to be arrogant about their way of trading; they invented the financial futures market in the first place. Since 1972, when the Merc introduced financial futures, their form of open-outcry trading has been the model for futures exchanges around the world. Enormous government deficits sparked the success of the CBOT's Treasury bond futures in the early 1980s. Partisan Chicagoans boasted that the nation's "financial center of gravity" had moved west from New York.

Noting Chicago's success, futures exchanges sprouted around the world during the 1980s, including Liffe in 1982, the Singapore Monetary Exchange in 1984, Matif in 1986, the Tokyo International Financial Futures Exchange in 1989 and DTB in 1990.

At first these new entities imitated their Chicago elders. They built

trading pits to facilitate open outcry. And they adopted mutual organizations --members were primary owners - and operated on a not-for-profit basis. "We even imported our jackets from Chicago," recalls Matif's Pfauwadel, noting that Parisians do not normally look outside their city for wardrobe advice.

Exchange trading activity soared through the '80s and '90s, with its influence hitting a peak, at least in the public mind, in 1987, when many Wall Streeters blamed stock index futures for exacerbating the crash. But just as the futures exchanges seemed invincible, the OTC market was quietly gathering steam. The OTC derivatives market, launched in the early 1980s, exploded in the '90s, fostering liquidity and bringing prices down for users.

The OTC and exchange markets tend to have different customer bases as well. Corporate treasurers leaned toward the OTC market for risk management; the U.S. Treasury Management Association in 1995 found that only 10 percent of corporate treasurers used interest rate futures, whereas 71 percent used swaps. By contrast, institutional investors favor futures.
Still, the exchanges enjoyed a symbiotic relationship with the OTC market, as OTC dealers, who are generally exchange members themselves, used them to cff-load risk. Indeed, the development of the interest rate swaps market in the '80s gave the Merc's Eurodollar pits and similar short-term interest rate pits throughout the world, a huge boost.

But as the OTC market grew, its products began to compete more directly with exchange-traded futures. Take two very similar products: plain-vanilla swaps (an exchange of fixed and floating interest rate payments) and Eurodollar strips (futures bundled together in three-month rolling positions). The Merc no longer has an edge in liquidity over OTC swaps. There were $6.5 trillion of dollar swaps outstanding at the end of June 1997, compared with a Eurodollar open interest of $2.6 trillion on the Merc.

Nor does it have an edge in costs, as dealers adapt quickly to new technology, which makes trading cheaper. "The general trend is that the OTC market has undercut the Europits as margins have just gotten squeezed down," explains the head of one New York swaps desk. "The exchanges have not moved fast enough to keep their cost edge."

The costs of dealing on-exchange are usually half a basis point per dollar of notional value in the Eurodollar pit, whereas the OTC market for short-dated swaps and forward-rate agreements, or FRAs, often cuts that rate by half or more, going as low as an eighth or a tenth of a basis point. And unlike futures, which come in limited contract sizes and have arbitrary dates for the beginning and end of a contract, the size and life span of FRAs can easily be tailored to suit each deal.

Even as the OTC market mushroomed, most major futures exchanges continued to believe they had unshakable franchises. As recendy as November 1996, Melamed chaired a panel discussion that included several heads of the leading futures exchanges. "And by God," he exclaims, only I and the chairman of the DTB were saying that you have to prepare to go electronic."

But change came with remarkable swiftness. The turning point: the so-called battle of the Bund early this year, pitting Liffe against the DTB.

Faithful in almost all respects to the Chicago model, the East End barrow boys built Liffe to become the second-largest futures exchange in the world, outstripping even the mighty Merc in trading volume. In the process, Liffe stole business from other European exchanges. By 1997 Liffe had become the most important trading center not just for short-dated sterling interest rate futures but also for short deutsche mark, Swiss franc, lira and ECU contracts.

The exchange could also claim 65 percent market share in the Bund contract. That is, until 1997, when the DTB made a staggering dash from behind, using fee holidays, free trading terminals and far lower trading costs to unseat

its U.K. rival as the dominant force in Bund futures trading. By April 1998 81 percent of Bund volume, some 6.8 million contracts monthly, was trading on the DTB.

But the battle of the Bund was just one struggle in a wider war for domination of European futures as anticipation of the euro continues to mount. When the single currency is introduced in January 1999, there will be one significant long-term interest rate contract in Europe. Most traders believe that whichever exchange controls Bund trading will control euro trading.

The DTB's victory was an important one strategically for the German futures industry, but the message it sent to futures exchanges worldwide may have been even more significant: In head-to-head competition, electronics can beat open outcry. "Our members would not even let us talk about electronic trading for the last two years," says departing Liffe chairman Jack Wigglesworth, who now envisions a time when exchanges will exist only in cyberspace.

After nearly a decade and a half championing the Chicago model, Liffe is planning to set up an electronic system to trade alongside its pits. If the pattern at Liffe comes to resemble that of Matif, where trading quickly migrated to screens, Liffe's 700 independent traders will find themselves out of jobs.

It could get worse. Citing the expense of Liffe's open-outcry system, Chase Manhattan Bank and Salomon Smith Barney, two of the exchange's most active members, last month threatened to move their short-term interest rate trading to the DTB next year. Until they made their threat, Liffe's unchallenged dominance of short-term interest rate trading had provided what seemed to be a bulwark against the attacks of the German exchange.

The reason Liffe's members could block electronic trading for so long is that the London exchange, like the CBOT and the Merc, has been a not-for-profit organization, owned and controlled by its members. Liffe's member-ownership structure meant that locals -- small traders dependent on the continued existence of the futures pits for their careers - determined exchange strategy. Not surprisingly, the locals opposed electronic trading, arguing that computers could never handle the complexities of their work. However, the dramatic loss of the Bund franchise sent a harsh message to Liffe traders - and to local traders in Chicago and other futures centers: that technology is going to put many of them out of work, and the most they can hope for is to sell out profitably. With some trepidation, in midApril Liffe's board recommended that exchange shares be sold publicly and that the exchange become a for-profit entity.

The CBOT's Arbor says that his exchange needs to eliminate layers of costly support personnel on the exchange floor to remain competitive. "I think you are going to see [fewer] people working on our floors," he admits. So does the newly elected chairman of the Merc, Scott Gordon, who has worked as runner, phone clerk, a floor manager, trader and broker and head of a clearing firm. An impressive resume, but the number of different jobs Gordon has held indicates the sprawling infrastructure that the exchanges support. "Some of those jobs are somewhat anachronistic," admits Gordon.

The Merc cut expenses by 10 percent last year, but that's just a start. The Merc itself has a staff of 850 and more than 3,000 members. Thousands of people employed by members work the floor, a 70,000-square-foot trading arena spread over two levels. The Merc generates annual revenues of $178.6 million on expenses of $157.8 million.
The common-clearing agreement between the Merc and CBOT is a step toward eliminating costly inefficiencies. But the difficulty of making that decision doesn't bode well for continued cost-cutting. University of Chicago professor emeritus and Nobel laureate Merton Miller led the effort to bring the two Chicago exchanges' clearing systems together. "It took us two years to get common clearing," Miller says, noting that OTC dealers, as profit-making corporations, tend to have "more cards in the deck for dealing with changes."

Despite their woes, the futures exchanges still have a strong hand to play. For one thing, less liquid markets, such as agricultural and commodities futures, are less likely to be replaced by screen-based trading. And exchanges continue to innovate, introducing new products like bankruptcy futures, which might be used as hedging devices alongside burgeoning OTC credit derivatives markets. Further, with products like the recently introduced DJIA index futures, exchanges are betting that they can grow on the retail side of the market. Exchange chiefs remain adamantly optimistic. "I believe the CBOT will continue to grow in volume," says Arbor. "We have made a very important decision to grow in volume."

Probably the strongest attraction of exchange-traded futures for investors and traders is the backing of the exchange itself. "We like the counterparty credit risk of the exchange," says Adnan Akant, a managing director at Fischer Francis Trees & Watts, a New York-based money manager specializing in fixed income. The exchanges might be able to leverage that strength off the OTC market, by clearing swaps, for instance. "If and when the futures exchanges start clearing swaps, that would be a tremendous benefit, from our point of view," says James Keller, a portfolio manager at Pacific Investment Management Co. in Newport Beach, California, who has worked as a local at the CBOT and on Merrill Lynch's swaps desk.

OTC transactions are already being cleared in Sweden, and efforts are under way to clear swaps in London and Chicago. Progress has been slow because top dealers, who already have high credit ratings, are reluctant to give up their competitive advantage to a clearinghouse. But that could change as their credit lines fill up.

Meanwhile, Keller and Akant say their firms have increased their futures use over the past year, but both managers see areas where the dealer market serves them better than exchanges. Fischer Francis does not use foreign exchange futures on the Merc. "That's one market where the banks have an advantage," says Akant.

Driven by technology, the world's futures exchanges appear headed for convergence. The DTB and the Swiss Options and Financial Futures Exchange are merging to form a new entity called Eurex, while Matif is building an interface to allow its electronic trading system to deal with the German and Swiss systems. Early next century, when the DTB has to redesign its already aging system, Matif will collaborate in the effort, Pfauwadel says. Liffe officials have talked about buying the Matif system. If that were to happen, much of Europe could soon enjoy seamless futures trading.

Europe and the U.S. are forging links as well. On the clearing side, Matif has already adopted, but not yet implemented, the same clearing system as the Merc, which it developed with the New York Mercantile Exchange, and which the Merc will share with the CBOT. The Merc also continues to push Melamed's brainchild, Globex, an electronic after-hours trading system that flopped when it was launched in 1992. Now Globex 2 is on the drawing board alongside talks on common clearing and trading platforms.

But the bigger question is not whether platforms for common trading and clearing will come into being. They will. Customers demand them. The more troubling issue - to traders, customers and regulators - is whether control of the new platforms will migrate elsewhere. What's to stop a technology provider, like Reuters' Instinet, say, from owning the exchange of the future? Reuters has already made one foray into futures when it supplied the technology for Globex. The Merc and its Globex partners, Matif and Nymex, switched away from Reuters to an open architecture setup for Globex 2.

Banks, with their huge investments in technology and vital interest in the business, would seem to be a natural group to develop a new trading system. "Every investment bank is developing an electronic order-delivery system," says Sydney's Hosking. "Ultimately, they are going to say, 'Why the hell do we do it to the edge of the pit and no further?"' That's bad news for the exchanges. it

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"We all know that one day or another, open outcry will be replaced by
electronic trading," says Gerard Pfauwadel, who recently stepped down as
chairman of Paris-based Matif. It's already happening. In April Matif made

electronic trading available to members for the first time. By the end of
May Matif had announced that all trading would be electronic starting this
month, a move that could put 600 to 700 traders out of work.

In March the London International Financial Futures and Options Exchange
decided to adopt screens after losing a huge chunk of market share in
German Bund (the ten-year government bond) futures to the increasingly
aggressive and all-electronic -- Frankfurtbased Deutsche Terminborse. But
Liffe's 1999 target date for screen trading may not come in time: Major
dealers last month threatened to move their business in short-term
Euromarks, the London exchange's strongest product, to the much cheaper DTB
as well.

Locals, the floor traders who have traditionally held political power at
many exchanges, have long resisted change, fearing a very real threat to
their livelihood. But not adapting could prove more damaging in the long
run. No one knows that better than 66-year-old Leo Melamed, the Merc's
chairman emeritus and a financial futures market pioneer. Melamed argues:
"We have to make our futures markets more competitive. We have to give the
pit additional instruments that are more capable of being competitive with
the OTC market. It's time to consider an electronic response."
One solution, exchange consolidation, is already occurring. Bitter rivals
like the CBOT and the Merc are snuggling up to each other. In March the two
exchanges agreed to combine their clearing operations, an arrangement some
view as a prelude to a full-fledged merger. "I think we are going to see
more consolidation in members and exchanges," admits Arbor. As for merging
with the Merc, he says, "We have to do common clearing first."

But consolidation may be only a short-term solution. "The intermediation
role of the exchange is diminishing as technology introduces better price
discovery," says Les Hosking, chairman of the Sydney Futures Exchange,
which has gone fully electronic. He foresees OTC markets taking over
exchanges' most liquid markets in the future.

The futures exchanges still maintain the advantage of a centralized
clearing mechanism, which eliminates counterparty risk. But the big
dealers, boasting deep and cost-efficient OTC markets, have been mulling
over the possibility of starting clearinghouses of their own. Should that
happen, warns Jack Sandner, a former Merc chairman, exchanges "will be in a
vast wasteland."

To survive, many experts, such as Sydney's Hosking and former Matif
chairman Pfauwadel, argue that futures exchanges must begin to consolidate
trading and clearing into one shared, global platform. This will not
necessarily make them obsolete -- certain products, especially commodity
futures, are still best traded regionally, and the trading pits excel at
price discovery in less liquid markets. But financial futures, which
account for some 70 percent of the exchanges' business, are migrating
inexorably to the electronic marketplace. The inevitable result will be, in
effect, a virtual trading floor, with no particular ties or resemblance to
today's swarming pits. The surviving exchanges will become gateways to that
virtual floor, distinguished by service and brand image - newfangled
concepts to many old hands.

Chicago traders have long had good reason to be arrogant about their way of
trading; they invented the financial futures market in the first place.
Since 1972, when the Merc introduced financial futures, their form of
open-outcry trading has been the model for futures exchanges around the
world. Enormous government deficits sparked the success of the CBOT's
Treasury bond futures in the early 1980s. Partisan Chicagoans boasted that
the nation's "financial center of gravity" had moved west from New York.

Noting Chicago's success, futures exchanges sprouted around the world
during the 1980s, including Liffe in 1982, the Singapore Monetary Exchange
in 1984, Matif in 1986, the Tokyo International Financial Futures Exchange
in 1989 and DTB in 1990.

At first these new entities imitated their Chicago elders. They built

trading pits to facilitate open outcry. And they adopted mutual organizations --members were primary owners - and operated on a not-for-profit basis. "We even imported our jackets from Chicago," recalls Matif's Pfauwadel, noting that Parisians do not normally look outside their city for wardrobe advice.

Exchange trading activity soared through the '80s and '90s, with its influence hitting a peak, at least in the public mind, in 1987, when many Wall Streeters blamed stock index futures for exacerbating the crash. But just as the futures exchanges seemed invincible, the OTC market was quietly gathering steam. The OTC derivatives market, launched in the early 1980s, exploded in the '90s, fostering liquidity and bringing prices down for users.

The OTC and exchange markets tend to have different customer bases as well. Corporate treasurers leaned toward the OTC market for risk management; the U.S. Treasury Management Association in 1995 found that only 10 percent of corporate treasurers used interest rate futures, whereas 71 percent used swaps. By contrast, institutional investors favor futures.
Still, the exchanges enjoyed a symbiotic relationship with the OTC market, as OTC dealers, who are generally exchange members themselves, used them to off-load risk. Indeed, the development of the interest rate swaps market in the '80s gave the Merc's Eurodollar pits and similar short-term interest rate pits throughout the world, a huge boost.

But as the OTC market grew, its products began to compete more directly with exchange-traded futures. Take two very similar products: plain-vanilla swaps (an exchange of fixed and floating interest rate payments) and Eurodollar strips (futures bundled together in three-month rolling positions). The Merc no longer has an edge in liquidity over OTC swaps. There were $6.5 trillion of dollar swaps outstanding at the end of June 1997, compared with a Eurodollar open interest of $2.6 trillion on the Merc.

Nor does it have an edge in costs, as dealers adapt quickly to new technology, which makes trading cheaper. "The general trend is that the OTC market has undercut the Europits as margins have just gotten squeezed down," explains the head of one New York swaps desk. "The exchanges have not moved fast enough to keep their cost edge."

The costs of dealing on-exchange are usually half a basis point per dollar of notional value in the Eurodollar pit, whereas the OTC market for short-dated swaps and forward-rate agreements, or FRAs, often cuts that rate by half or more, going as low as an eighth or a tenth of a basis point. And unlike futures, which come in limited contract sizes and have arbitrary dates for the beginning and end of a contract, the size and life span of FRAs can easily be tailored to suit each deal.

Even as the OTC market mushroomed, most major futures exchanges continued to believe they had unshakable franchises. As recently as November 1996, Melamed chaired a panel discussion that included several heads of the leading futures exchanges. "And by God," he exclaims, only I and the chairman of the DTB were saying that you have to prepare to go electronic."

But change came with remarkable swiftness. The turning point: the so-called battle of the Bund early this year, pitting Liffe against the DTB.

Faithful in almost all respects to the Chicago model, the East End barrow boys built Liffe to become the second-largest futures exchange in the world, outstripping even the mighty Merc in trading volume. In the process, Liffe stole business from other European exchanges. By 1997 Liffe had become the most important trading center not just for short-dated sterling interest rate futures but also for short deutsche mark, Swiss franc, lira and ECU contracts.

The exchange could also claim 65 percent market share in the Bund contract. That is, until 1997, when the DTB made a staggering dash from behind, using fee holidays, free trading terminals and far lower trading costs to unseat

its U.K. rival as the dominant force in Bund futures trading. By April 1998 81 percent of Bund volume, some 6.3 million contracts monthly, was trading on the DTB.

But the battle of the Bund was just one struggle in a wider war for domination of European futures as anticipation of the euro continues to mount. When the single currency is introduced in January 1999, there will be one significant long-term interest rate contract in Europe. Most traders believe that whichever exchange controls Bund trading will control euro trading.

The DTB's victory was an important one strategically for the German futures industry, but the message it sent to futures exchanges worldwide may have been even more significant: In head-to-head competition, electronics can beat open outcry. "Our members would not even let us talk about electronic trading for the last two years," says departing Liffe chairman Jack Wigglesworth, who now envisions a time when exchanges will exist only in cyberspace.

After nearly a decade and a half championing the Chicago model, Liffe is planning to set up an electronic system to trade alongside its pits. If the pattern at Liffe comes to resemble that of Matif, where trading quickly migrated to screens, Liffe's 700 independent traders will find themselves out of jobs.

It could get worse. Citing the expense of Liffe's open-outcry system, Chase Manhattan Bank and Salomon Smith Barney, two of the exchange's most active members, last month threatened to move their short-term interest rate trading to the DTB next year. Until they made their threat, Liffe's unchallenged dominance of short-term interest rate trading had provided what seemed to be a bulwark against the attacks of the German exchange.

The reason Liffe's members could block electronic trading for so long is that the London exchange, like the CBOT and the Merc, has been a not-for-profit organization, owned and controlled by its members. Liffe's member-ownership structure meant that locals -- small traders dependent on the continued existence of the futures pits for their careers - determined exchange strategy. Not surprisingly, the locals opposed electronic trading, arguing that computers could never handle the complexities of their work. However, the dramatic loss of the Bund franchise sent a harsh message to Liffe traders - and to local traders in Chicago and other futures centers: that technology is going to put many of them out of work, and the most they can hope for is to sell out profitably. With some trepidation, in midApril Liffe's board recommended that exchange shares be sold publicly and that the exchange become a for-profit entity.

The CBOT's Arbor says that his exchange needs to eliminate layers of costly support personnel on the exchange floor to remain competitive. "I think you are going to see [fewer] people working on our floors," he admits. So does the newly elected chairman of the Merc, Scott Gordon, who has worked as runner, phone clerk, a floor manager, trader and broker and head of a clearing firm. An impressive resume, but the number of different jobs Gordon has held indicates the sprawling infrastructure that the exchanges support. "Some of those jobs are somewhat anachronistic," admits Gordon.

The Merc cut expenses by 10 percent last year, but that's just a start. The Merc itself has a staff of 850 and more than 3,000 members. Thousands of people employed by members work the floor, a 70,000-square-foot trading arena spread over two levels. The Merc generates annual revenues of $178.6 million on expenses of $157.8 million.
The common-clearing agreement between the Merc and CBOT is a step toward eliminating costly inefficiencies. But the difficulty of making that decision doesn't bode well for continued cost-cutting. University of Chicago professor emeritus and Nobel laureate Merton Miller led the effort to bring the two Chicago exchanges' clearing systems together. "It took us two years to get common clearing," Miller says, noting that OTC dealers, as profit-making corporations, tend to have "more cards in the deck for dealing with changes."

Despite their woes, the futures exchanges still have a strong hand to play. For one thing, less liquid markets, such as agricultural and commodities futures, are less likely to be replaced by screen-based trading. And exchanges continue to innovate, introducing new products like bankruptcy futures, which might be used as hedging devices alongside burgeoning OTC credit derivatives markets. Further, with products like the recently introduced DJIA index futures, exchanges are betting that they can grow on the retail side of the market. Exchange chiefs remain adamantly optimistic. "I believe the CBOT will continue to grow in volume," says Arbor. "We have made a very important decision to grow in volume."

Probably the strongest attraction of exchange-traded futures for investors and traders is the backing of the exchange itself. "We like the counterparty credit risk of the exchange," says Adnan Akant, a managing director at Fischer Francis Trees & Watts, a New York-based money manager specializing in fixed income. The exchanges might be able to leverage that strength off the OTC market, by clearing swaps, for instance. "If and when the futures exchanges start clearing swaps, that would be a tremendous benefit, from our point of view," says James Keller, a portfolio manager at Pacific Investment Management Co. in Newport Beach, California, who has worked as a local at the CBOT and on Merrill Lynch's swaps desk.

OTC transactions are already being cleared in Sweden, and efforts are under way to clear swaps in London and Chicago. Progress has been slow because top dealers, who already have high credit ratings, are reluctant to give up their competitive advantage to a clearinghouse. But that could change as their credit lines fill up.

Meanwhile, Keller and Akant say their firms have increased their futures use over the past year, but both managers see areas where the dealer market serves them better than exchanges. Fischer Francis does not use foreign exchange futures on the Merc. "That's one market where the banks have an advantage," says Akant.

Driven by technology, the world's futures exchanges appear headed for convergence. The DTB and the Swiss Options and Financial Futures Exchange are merging to form a new entity called Eurex, while Matif is building an interface to allow its electronic trading system to deal with the German and Swiss systems. Early next century, when the DTB has to redesign its already aging system, Matif will collaborate in the effort, Pfauwadel says. Liffe officials have talked about buying the Matif system. If that were to happen, much of Europe could soon enjoy seamless futures trading.

Europe and the U.S. are forging links as well. On the clearing side, Matif has already adopted, but not yet implemented, the same clearing system as the Merc, which it developed with the New York Mercantile Exchange, and which the Merc will share with the CBOT. The Merc also continues to push Melamed's brainchild, Globex, an electronic after-hours trading system that flopped when it was launched in 1992. Now Globex 2 is on the drawing board alongside talks on common clearing and trading platforms.

But the bigger question is not whether platforms for common trading and clearing will come into being. They will. Customers demand them. The more troubling issue - to traders, customers and regulators - is whether control of the new platforms will migrate elsewhere. What's to stop a technology provider, like Reuters' Instinet, say, from owning the exchange of the future? Reuters has already made one foray into futures when it supplied the technology for Globex. The Merc and its Globex partners, Matif and Nymex, switched away from Reuters to an open architecture setup for Globex 2.

Banks, with their huge investments in technology and vital interest in the business, would seem to be a natural group to develop a new trading system. "Every investment bank is developing an electronic order-delivery system," says Sydney's Hosking. "Ultimately, they are going to say, 'Why the hell do we do it to the edge of the pit and no further?"' That's bad news for the exchanges. it

DESCRIPTORS: Electronic trading; Futures trading; Over the counter trading;
   Futures exchanges; Consolidation
CLASSIFICATION CODES: 9190 (CN=United States); 3400 (CN=Investment
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01272394 99-21790
WS&T unveils live trading floor
Anonymous
Wall Street & Technology v14n9 PP: 29-30 Sep 1996 ISSN: 1060-989X
JRNL CODE: WSC
DOC TYPE: Journal article LANGUAGE: English   LENGTH: 2 Pages
WORD COUNT: 327

ABSTRACT: At the upcoming Financial Technology Expo, attendees will get a
first-hand look at Trading Floor 2000, the dealing room of the future. The
exhibit - designed by Ray duTremblay from trading room consulting firm
Interport Financial Inc. - marks the first time ever that a trade show has
showcased a real-time, integrated trading floor.

TEXT: At this year's Financial Technology Expo, attendees will get a
firsthand look at the dealing room of the future. Trading Floor 2000, the
theme exhibit of the show, is a small, ultra-modern mock trading floor
equipped with live data feeds, working technology and a progressive
infrastructure. The exhibit-designed by Ray duTremblay from Montrose,
N.Y.-based trading room consulting firm Interport Financial Inc.-marks the
first time ever that a trade show has showcased a real-time, integrated
trading floor. Participants in the Trading Floor 2000 project will include
Bloomberg L.P, Microsoft Corp., IPC Information Systems, Stratus Computers,
Track Data and Global Trading Technologies, among other firms.

The floor will be divided into a trio of trading groups: two desk groups
and a home office. The first desk group will give onlookers a snapshot of
modern trading floor technology-including today's trading systems,
software, desks and infrastructure. The second desk group will display new
systems and concepts that Wall Street's innovators believe will change the
business of trading in the 21st century. The home office will be part of a
virtual trading floor demonstration depicting how traders will get access
to information from their homes, branch offices and other remote locations.

Trading Floor 2000 will also feature demonstrations of three
inter-dependent technologies needed in every dealing room: hardware,
software and facilities infrastructure (such as desks, cabling and power).

The hardware demos will highlight computer systems, network hardware,
trading voice systems, recording equipment, input devices, displays,
communications interfaces and wireless technologies. The software demos
will feature market data distribution, trading support, position keeping,
risk management, automated trading, integrated systems and operating
systems for both clients and servers.

The facilities infrastructure demos will highlight dealing room components

beneath the surface, such as floor systems, wire management, trading desks,
power distribution and air quality systems.

In addition to hardware and software from the industry's leading suppliers
on live trading desks, the floor will also feature working phone lines,
enabling visiting "traders" to make a deal.

GEOGRAPHIC NAMES: US

DESCRIPTORS: Electronic trading; Exhibits
CLASSIFICATION CODES: 8130 (CN=Investment services); 5240 (CN=Software &
    systems); 7300 (CN=Sales & selling); 9190 (CN=United States); 9000
    (CN=Short Article)

06934474   Supplier Number: 58551483   (THIS IS THE FULLTEXT)
**medpool.com to Present at The Hambrecht & Quist 18th Annual Healthcare
   Conference.**
PR Newswire, p0595
Jan 13, 2000
Language: English   Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 468
TEXT:
 REDWOOD CITY, Calif., Jan. 12 /PRNewswire/ -- medpool.com, an innovative
e-commerce solution in hospital procurement, announced today that Anne De
Gheest, president and chief executive officer of medpool.com, is a
presenter at the Hambrecht & Quist 18th Annual Healthcare Conference in San
Francisco, Calif.
        De Gheest has over 20 years of experience developing and building
successful healthcare businesses. She is the founder of medpool.com, and
she also put her mark on Nellcor, Pyxis and Omnicell, which have a
cumulative market value of more than $4 billion.
        medpool.com is a healthcare company that is using the Internet to
provide a unique pooling and interactive bidding process between buyers and
sellers of hospital equipment, supplies and services. Because the company
is a first mover in this concept, medpool.com has filed several patents on
its business model.   -
        Buyers purchasing power is pooled together in a virtual trading floor
to collectively purchase medical equipment, supplies and services for the
best prices. Selected sellers bid against each other on requested business
to win committed orders. medpool.com automates the process.
        Buyers log on to http://www.medpool.com, select the products they
want to purchase, the quantity they want to order, a list of preferred
sellers they are willing to purchase from and the maximum price they are
willing to pay. Buyers are then pooled together to purchase medical
equipment, supplies and services at volume pricing. This is to create a
larger volume sales that allow sellers to negotiate lower prices.
        medpool.com contacts preferred sellers to let them know about the
volume of business they could potentially win and the price customers are
willing to pay, and invites them to participate in the bidding cycle. When
the exchange begins, preferred sellers submit bids against one another
during defined time periods to win committed volume business. Sellers are
given feedback on how they are doing at the end of each bidding cycle and
can lower their prices to capture a larger portion of the business.
        Once the process is complete, medpool.com reveals the buyers'
identity to the seller that won its business. Buyers and sellers then work
directly with one another to complete the purchase and discuss
distribution.
        medpool.com is led by a team of entrepreneurs and executives
experienced in revolutionizing the medical and information technology
categories, and their previous successes include such well-known companies
as Pyxis, Omnicell, Nellcor, Advanced Sterilization Products and Oracle.
        Based in Redwood City, Calif., medpool.com is backed by three leading
venture capital firms in healthcare and technology: Institutional Venture
Partners, Mayfield Fund, and Domain Associates. medpool.com can be reached
through its Web site at www.medpool.com and is located at 1600 Bridge
Parkway, Redwood City, CA, 94065. Tel: 650-232-5000 Fax: 650-232-5100.
        medpool.com is a service mark of medpool.com.
PUBLISHER NAME: PR Newswire Association, Inc.
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NAICS CODES: 52311 (Investment Banking and Securities Dealing)
SPECIAL FEATURES: COMPANY

01297544   SUPPLIER NUMBER: 07288270   (THIS IS THE FULL TEXT)
High-tech aurora shines in CBOT's trading skies. (The Chicago Board of
   Trade prolongs the life of the open outcry system)
Arend, Mark
Wall Street Computer Review, v6, n8, p90(2)
May, 1989
ISSN: 0738-4343   LANGUAGE: ENGLISH   RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 855   LINE COUNT: 00068

ABSTRACT: The Chicago Board of Trade (CBOT) unveils Aurora, an
auction-market trading system designed to replicate the activity of the
trading pit. Aurora displays member icons as circles and squares in the
center of the screen, which represents an arena. The system will use Apple
Macintosh workstations with Texas Instruments' microExplorer software and
Tandem Computers' NonStop VLX mainframe. Automation of the auction market
provides the same information available in a physical trading pit while
reducing the rate of errors. Members will lease the equipment on a monthly
basis. The CBOT is also developing an electronic order delivery system
which will interface with Telerate Inc's global financial-information
network.
TEXT:
     HIGH-TECH AURORA SHINES IN CBOT'S TRADING SKIES
     THE CHICAGO BOARD OF Trade (CBOT) has unveiled an electronic
auction-market trading system designed specifically to replicate the open
outcry activity of the trading pit. Dubbed Aurora, the system will afford
CBOT members around the world the ability to participate in trading
activity after the exchange closes in much the same way market participants
place orders during regular hours.
     "We believe what has made the Chicago Board of Trade so successful in
our 140-year history is the auction market," says Glen Belden, vice
president, information systems. "Our preferred way of trading is the open
outcry auction market. We believe that in order to trade on a 24-hour basis
internationally, the best approach is to try to replicate the auction
market. What you see on the Aurora screen is our attempt to use the latest
technology available to accomplish that goal."
     That technology consists of Apple Macintosh workstations,
microExplorer software for artificial intelligence applications from Texas
Instruments and the NonStop VLX mainframe from Tandem Computers Inc.
     The screen of the Aurora trading system consists of several elements.
Member icons, represented as circles and squares in the center of the
screen, or Trading Arena, contain the member's acronym and the number of
contracts either being offered or bid for on a given contract, such as
March bonds. Red circles represent offering icons, and blue squares are
bidding icons. The Current Contract Price Display, in the upper left-hand
corner of the screen, indicates the symbol of the current contract and
shows the current bid price, offer price and total quantities available.
     The Current Pit Price Display is located beneath the Trading Arena.
These prices reflect other contracts in the U.S. Treasury bond pit. Four
small fields to the right of the Trading Arena represent prices of
contracts outside the Treasury bond pit. Users can monitor whichever
contracts are needed in this area. A Pit Trade Summary Box, a Personal
Trade Summary Box and a Priority Box complete the picture.
     Completion of a prototype version of Aurora is scheduled for
September 1989; production is to begin shortly thereafter, according to
Belden.
     Acess for Nonmembers
     The CBOT also has announced development of EOS, an electronic order
delivery system. "For nonmembers who want to trade on the Board of Trade,
EOS is the entry system that will get their orders to Aurora or to our
physical trading pits," explains Belden.
     As questionable trading practices lead to heightened surveillance
efforts at the major Chicago exchanges, Belden is confident that global
access to the market on a 24-hour basis will pose no nre problems. "We
believe that given the way we're constructing this system, we will have
addressed all of the issues concerning secure transmissions and that we

will be able to create a complete audit trail, one very accurate in terms of all activity on the system."

Member traders were instrumental in the development of Aurora, according to Belden. "We did hire outside experts to assist us, but [the proprietary software] is CBOT designed and CBOT owned," he asserts. The exchange supplies member users with a terminal and networking capabilities. "Members will lease the terminal for a monthly charge, which will include the workstation, the network, maintenance, support and security." The monthly charge has not yet been determined.

Belden is confident that the technology vendors selected will rise to the occasion. "We needed a number of things in order to make this work. First, we felt that we needed the rapid prototyping and the ability to change things quickly offered by Texas Instruments's artificial intelligence capability. We needed the high-resolution color graphics capability that I believe is represented best by the Apple Macintosh. Finally, we needed a strong telecommunications-oriented fault-tolerant central-site processor, and Tandem, again, is the leader in that technology."

Telerate Adds Value

Telerate Inc. and Intex Holdings Ltd. will supply the CBOT with interfaces to Telerate's global financial information network for order delivery to EOS during evening trading. The service will then be extended to regular trading hours. Ultimately, members will be able to place orders through the Telerate network directly to Aurora.

Aurora does not signal the end of order-entry errors or other mistakes, although the rate of occurrence should decrease. "If the trader makes a typing error going in, the system cannot catch that. The system is designed using technology that uses almost no typing. It's mostly a point-and-click system [i.e., using a mouse]. The transmission accuracy is extremely goods, and the technology will verify that accuracy.

"We have tried to provide the same information to people looking at an electronic screen that they would have if they were physically present in the pit," says Belden. "Experienced traders are very comfortable looking at the screen. It is designed by traders for traders."

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DESCRIPTORS: Securities Transfer; Integrated Systems; Expert Systems; Trade and Professional Associations
FILE SEGMENT: CD File 275

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S5          21    S1 AND S3
S6           8    S5 AND S2
S7          14    S4 OR S6          read
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File 349:PCT FULLTEXT 1983-2002/UB=20020509,UT=20020502
         (c) 2002 WIPO/Univentio
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Set       Items    Descript
S1       785922    VIRTUAL? OR AVATAR? OR VR OR COMPUTER? OR ON()LINE OR ONLI-
                   NE OR INTERNET OR WEB? OR SOFTWARE OR 3()D OR GRAPHICAL?
S2       613658    SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIMIC? OR -
                   RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S3      2824162    HAND? ? OR BODY OR FINGER? OR HEAD? ? OR ARM? ?
S4      5082921    MOVE? OR MOVING? OR MOTION? OR ROTAT? OR WAVE? ? OR WAVING?
                   OR SIGNAL? OR GESTUR? OR OUTCRY? OR OUT()CRY???
S5       333398    S3(4N)S4
S6         1972    S5(5N)S2
S7           55    S6(15N)S1
S8
```

real

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?show files
File 347:JAPIO Oct/1976-2001/Dec(Updated 020503)
        (c) 2002 JPO & JAPIO
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200230
        (c) 2002  Thomson Derwent
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Set       Items    Description
S1       448343    VIRTUAL? OR AVATAR? OR VR OR COMPUTER? OR ON()LINE OR ONLI-
                    NE OR INTERNET OR WEB? OR SOFTWARE OR 3()D OR GRAPHICAL?
S2       952065    SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIMIC? OR -
                    RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S3       739406    HAND? ? OR BODY OR FINGER? OR HEAD? ? OR ARM? ?
S4       874251    MOVE? OR MOVING? OR MOTION? OR ROTAT? OR WAVE? ? OR WAVING?
                    OR SIGNAL? OR GESTUR? OR OUTCRY? OR OUT()CRY???
S5        88035    S3(2N)S4
S6         1809    S5(5N)S2
S7           92    S6(15N)S1
S8           26    S7 AND IC=G06F                read
?show files
File 348:EUROPEAN PATENTS 1978-2002/May W01
         (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1983-2002/UB=20020509,UT=20020502
         (c) 2002 WIPO/Univentio
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Set      Items    Description
S1          11    AU=(BORCHEW M? OR BORCHEW, M ? OR HAUK E? OR HAUK, E?)
S2      823133    GUI? ? OR GRAPHICAL(1W)INTERFACE? OR WEBSITE? OR WEBPAGE? -
                  OR WEB()(SITE? OR PAGE?) OR HOME()PAGE? OR HOMEPAGE? OR MOTIF?
                  OR CUI? ? OR CHARACTER(2W)INTERFACE? OR VIRTUAL? OR PORTAL? -
                  OR DISPLAY? ? OR VR OR AVATAR?
S3      500454    AUCTION? OR TRAD???? OR STOCK? ? OR METAAUCTION? OR MULTIA-
                  UCTION? OR DUTCHAUCTION? OR EXCHANGE? OR MARKET? ? OR BROKER?
                  OR NASDAQ OR DOW OR NYSE OR BIG()BOARD OR LSE OR CBOT OR CME -
                  OR EUREX OR SALE? ? OR BIDD??? OR NIKKEI? OR TSE
S4      776031    SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIRROR? OR
                  MIMIC? OR RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S5     2306951    PLURAL? OR MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR DIFF-
                  ERENT
S6       84154    S5(5N)(USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUES-
                  T? OR MEMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CO-
                  NSUMER? OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SUR-
                  FER? OR CLIENT? OR TRADER? OR BIDDER? OR SELLER?)
S7      440823    CODE? ? OR DECODE? ? OR SOFTWARE OR HARDWARE OR FIRMWARE OR
                  MIDDLEWARE?
S8           1    S1 AND S2 AND S3
S9        1856    S2 AND S3 AND S4
S10         65    S9 AND S6
S11         23    S10 AND IC=G06F-017/60
S12         23    S11 OR S8
S13       7664    S2(10N)S3
S14        143    S13(10N)S4
S15         33    S14 AND IC=G06F-017/60
S16         29    S15 NOT S12
?show files
File 347:JAPIO Oct/1976-2001/Dec(Updated 020401)
        (c) 2002 JPO & JAPIO
File 350:Derwent WPIX 1963-2001/UD,UM &UP=200224
        (c) 2002 Thomson Derwent
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Set     Items     Descripti●                        ●
S1          8     AU=(BORCHEW M? OR BORCHEW, M ? OR HAUK E? OR HAUK, E?)
.S2    473415     GUI? ? OR GRAPHICAL(1W)INTERFACE? OR WEBSITE? OR WEBPAGE? -
                  OR WEB()(SITE? OR PAGE?) OR HOME()PAGE? OR HOMEPAGE? OR MOTIF?
                   OR CUI? ? OR CHARACTER(2W)INTERFACE? OR VIRTUAL? OR PORTAL? -
                  OR DISPLAY? ? OR VR OR AVATAR?
S3    2476821     AUCTION? OR TRAD???? OR STOCK? ? OR METAAUCTION? OR MULTIA-
                  UCTION? OR DUTCHAUCTION? OR EXCHANGE? OR MARKET? ? OR BROKER?
                  OR NASDAQ OR DOW OR NYSE OR BIG()BOARD OR LSE OR CBOT OR CME -
                  OR EUREX OR SALE? ? OR BIDD??? OR NIKKEI? OR TSE
S4    3672216     SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIRROR? OR
                  MIMIC? OR RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S5    2675755     PLURAL? OR MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR DIFF-
                  ERENT
S6    2476825     USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUEST? OR M-
                  EMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CONSUMER?
                  OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SURFER? OR -
                  CLIENT? OR TRADER? OR BIDDER? OR SELLER?
S7          1     S1 AND S4 AND S3
S8        660     (S2(10N)S3)(10N)S4
S9         24     S8 AND (S5(3N)S6)          Read
?show files
File    2:INSPEC 1969-2002/Apr W2
            (c) 2002 Institution of Electrical Engineers
File   35:Dissertation Abs Online 1861-2002/Mar
            (c) 2002 ProQuest Info&Learning
File   65:Inside Conferences 1993-2002/Apr W1
            (c) 2002 BLDSC all rts. reserv.
File   77:Conference Papers Index 1973-2002/Mar
            (c) 2002 Cambridge Sci Abs
File   99:Wilson Appl. Sci & Tech Abs 1983-2002/Mar
            (c) 2002 The HW Wilson Co.
File  233:Internet & Personal Comp. Abs. 1981-2002/Apr
            (c) 2002 Info. Today Inc.
File  256:SoftBase:Reviews,Companies&Prods. 85-2002/Mar
            (c)2002 Info.Sources Inc
File  474:New York Times Abs 1969-2002/Apr 15
            (c) 2002 The New York Times
File  475:Wall Street Journal Abs 1973-2002/Apr 15
            (c) 2002 The New York Times
File  583:Gale Group Globalbase(TM) 1986-2002/Apr 16
            (c) 2002 The Gale Group
File  139:EconLit 1969-2002/Apr
            (c) 2002 American Economic Association
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Set      Items     Description
S1           0     AU=(BORCHEW M? OR BORCHEW, M ? OR HAUK E? OR HAUK, E?)
S2     4038389     GUI? ? OR GRAPHICAL(1W)INTERFACE? OR WEBSITE? OR WEBPAGE? -
                   OR WEB()(SITE? OR PAGE?) OR HOME()PAGE? OR HOMEPAGE? OR MOTIF?
                   OR CUI? ? OR CHARACTER(2W)INTERFACE? OR VIRTUAL? OR PORTAL? -
                   OR DISPLAY? ? OR VR OR AVATAR?
S3     6804813     AUCTION? OR TRAD???? OR STOCK? ? OR METAAUCTION? OR MULTIA-
                   UCTION? OR DUTCHAUCTION? OR EXCHANGE?
S4    13263587     MARKET? ? OR BROKER? OR NASDAQ OR DOW OR NYSE OR BIG()BOARD
                   OR LSE OR CBOT OR CME OR EUREX OR SALE? ? OR BIDD??? OR NIKK-
                   EI? OR TSE
S5     5405063     SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIRROR? OR
                   MIMIC? OR RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S6     7808406     PLURAL? OR MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR DIFF-
                   ERENT
S7     1439181     S6(5N)(USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUES-
                   T? OR MEMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CO-
                   NSUMER? OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SUR-
                   FER? OR CLIENT? OR TRADER? OR BIDDER? OR SELLER?)
S8       87684     S2(5N)S3
S9      194942     S2(5N)S4
S10     267703     S8 OR S9
S11         68     (S10(10N)S5)(10N)S7
S12         62     S11 NOT PY>2000
S13         38     S12 NOT PD=20000331:20020416
S14         23     RD (unique items)           read
?show files
File  15:ABI/Inform(R) 1971-2002/Apr 16
         (c) 2002 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2002/Apr 15
         (c) 2002 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2002/Apr 15
         (c)2002 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2002/Apr 15
         (c) 2002 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Apr 15
         (c) 2002 The Gale Group
File  95:TEME-Technology & Management 1989-2002/APR W2
         (c) 2002 FIZ TECHNIK
File 625:American Banker Publications 1981-2002/Apr 16
         (c) 2002 American Banker
File 268:Banking Info Source 1981-2002/Apr W1
         (c) 2002 ProQuest Info&Learning
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Set     Items    Description
S1          0    AU=(BORCHEW M? OR BORCHEW, M ? OR HAUK E? OR HAUK, E?)
S2    4044800    GUI? ? OR GRAPHICAL(1W)INTERFACE? OR WEBSITE? OR WEBPAGE? -
                 OR WEB()(SITE? OR PAGE?) OR HOME()PAGE? OR HOMEPAGE? OR MOTIF?
                 OR CUI? ? OR CHARACTER(2W)INTERFACE? OR VIRTUAL? OR PORTAL? -
                 OR DISPLAY? ? OR VR OR AVATAR?
S3    7952705    AUCTION? OR TRAD???? OR STOCK? ? OR METAAUCTION? OR MULTIA-
                 UCTION? OR DUTCHAUCTION? OR EXCHANGE?
S4   12824422    MARKET? ? OR BROKER? OR NASDAQ OR DOW OR NYSE OR BIG()BOARD
                 OR LSE OR CBOT OR CME OR EUREX OR SALE? ? OR BIDD??? OR NIKK-
                 EI? OR TSE
S5    4865862    SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIRROR? OR
                 MIMIC? OR RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
S6    7891300    PLURAL? OR MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR DIFF-
                 ERENT
S7    1230575    S6(5N)(USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUES-
                 T? OR MEMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CO-
                 NSUMER? OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SUR-
                 FER? OR CLIENT? OR TRADER? OR BIDDER? OR SELLER?)
S8     447185    S2(10N)(S3 OR S4)
S9      11616    S8(10N)S5
S10        96    S9(20N)S7
S11        80    S10 NOT PY>2000
S12        55    S11 NOT PD=20000331:20020416
S13        44    RD (unique items)    reviewed & read as needed
?show files
File   9:Business & Industry(R) Jul/1994-2002/Apr 15
         (c) 2002 Resp. DB Svcs.
File  20:Dialog Global Reporter 1997-2002/Apr 16
         (c) 2002 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2002/Apr 16
         (c) 2002 Financial Times Ltd
File 610:Business Wire 1999-2002/Apr 16
         (c) 2002 Business Wire.
File 613:PR Newswire 1999-2002/Apr 16
         (c) 2002 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2002/Apr 15
         (c) 2002 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2002/Apr 13
         (c) 2002 San Jose Mercury News
File 636:Gale Group Newsletter DB(TM) 1987-2002/Apr 15
         (c) 2002 The Gale Group
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 626:Bond Buyer Full Text 1981-2002/Apr 15
         (c) 2002 Bond Buyer
File 267:Finance & Banking Newsletters 2002/Apr 15
         (c) 2002 The Dialog Corp.
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Set      Items     Description
·S1          0     AU=(BORCHEW M? OR BORCHEW, M ? OR HAUK E? OR HAUK, E?)
· S2    4038389     GUI? ? OR GRAPHICAL(1W)INTERFACE? OR WEBSITE? OR WEBPAGE? -
                   OR WEB()(SITE? OR PAGE?) OR HOME()PAGE? OR HOMEPAGE? OR MOTIF?
                   OR CUI? ? OR CHARACTER(2W)INTERFACE? OR VIRTUAL? OR PORTAL? -
                   OR DISPLAY? ? OR VR OR AVATAR?
  S3    6804813     AUCTION? OR TRAD???? OR STOCK? ? OR METAAUCTION? OR MULTIA-
                   UCTION? OR DUTCHAUCTION? OR EXCHANGE?
  S4   13263587     MARKET? ? OR BROKER? OR NASDAQ OR DOW OR NYSE OR BIG()BOARD
                   OR LSE OR CBOT OR CME OR EUREX OR SALE? ? OR BIDD??? OR NIKK-
                   EI? OR TSE
  S5    5405063     SIMULAT? OR DEPICT? OR REPRESENT? OR IMITAT? OR MIRROR? OR
                   MIMIC? OR RESEMBL? OR ANALOG? OR METAPHOR? OR MODEL? OR ICON?
  S6    7808406     PLURAL? OR MULTIPL? OR MANY OR SEVERAL OR NUMEROUS OR DIFF-
                   ERENT
  S7     618523     S5(5N)(USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUES-
                   T? OR MEMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CO-
                   NSUMER? OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SUR-
                   FER? OR CLIENT? OR TRADER? OR BIDDER? OR SELLER?)
  S8    4870017     CODE? ? OR DECODE? ? OR SOFTWARE OR HARDWARE OR FIRMWARE OR
                   MIDDLEWARE?
  S9      87684     S2(5N)S3
  S10    194942     S2(5N)S4
  S11    267703     S9 OR S10
  S12      4970     S11(5N)S5
  S13    340689     S5(2N)(USER? OR PERSON? OR INDIVIDUAL? OR VISITOR? OR GUES-
                   T? OR MEMBER? OR SOMEONE OR ANYONE OR PEOPLE? OR BUYER? OR CO-
                   NSUMER? OR CUSTOMER? OR PURCHASER? OR PARTY OR PARTIES OR SUR-
                   FER? OR CLIENT? OR TRADER? OR BIDDER? OR SELLER?)
  S14       328     S13(5N)S12
  S15       281     S14 NOT PY>2000
  S16       154     S15 NOT PD=20000331:20020416
  S17        89     RD (unique items)
  S18        13     S17(S)S8
  S19        13     S17(S)(BID? ? OR OFFER? OR PRIC??? OR ROWS OR COLUMN? OR C-
                   OLOR? OR COLOUR?)
  S20        24     S18 OR S19
?show files
File  15:ABI/Inform(R) 1971-2002/Apr 16
         (c) 2002 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2002/Apr 15
         (c) 2002 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2002/Apr 15
         (c)2002 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2002/Apr 15
         (c) 2002 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2002/Apr 15
         (c) 2002 The Gale Group
File  95:TEME-Technology & Management 1989-2002/APR W2
         (c) 2002 FIZ TECHNIK
File 625:American Banker Publications 1981-2002/Apr 16
         (c) 2002 American Banker
File 268:Banking Info Source 1981-2002/Apr W1
         (c) 2002 ProQuest Info&Learning
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